



Enfamil A<sup>+</sup>

TM  
MJC

# Pediatric Products

## Handbook

Leading the way  
in science-based  
pediatric nutrition  
products, to help give  
infants and toddlers  
the best start in life.



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# Pediatric Products Handbook



## THE MISSION OF MEAD JOHNSON

For more than 100 years, Mead Johnson has been providing science-based infant formulas and other nutritional products developed to help people lead healthier lives. Our company was founded by Edward Mead Johnson, whose son, Ted, suffered from severe feeding difficulties and barely survived infancy. The experience helped inspire E. Mead to develop products that would provide nutritional excellence to healthy infants as well as those with special dietary requirements. The same principles that guided the company during its early days are still the basis for its vision today:

Our Vision is to be the world's leading nutrition company for babies and children. We are dedicated to nourishing the world's children for the best start in life.

## IMPORTANT CONTACT INFORMATION

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**MJN Representative** \_\_\_\_\_

**Phone Number** \_\_\_\_\_

## HEALTHCARE PROFESSIONAL CONTACT INFORMATION

**1-800-263-1143** Hospital Resource Centre

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**[enfamil.ca/medical](https://enfamil.ca/medical)**

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The information in this handbook is provided as a service to healthcare professionals. Every measure is taken to assure that this is the most current and accurate information available. Because our products are subject to revision, we ask that you please refer to the product label for the most accurate information.



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Cow's milk-based, iron-fortified infant formula specifically designed for premature or low birth weight infants that require a higher level of protein.



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Cow's milk-based, iron-fortified infant formula with concentrated levels of protein, vitamins and minerals for premature or low birth weight infants.



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Milk-based formula designed for healthy term infants with an exclusive immune blend\* and naturally occurring MFGM components†

\* HuM06 Blend™ of Polydextrose, GOS, 2'-FL, Vit C & E and Selenium.

† From whey protein concentrate.



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Partially hydrolyzed formula designed to reduce fussiness, crying, and gas.





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Cow's milk-based, iron fortified infant formula with added rice starch for infants who spit up frequently or who otherwise need a thickened formula.

<sup>†</sup> For babies who spit up more than 4 times per day.



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Cow's milk-based, iron fortified lactose-free infant formula designed for infants sensitive to lactose.



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Soy-based, iron fortified lactose-free infant formula designed for infants who need a milk-free formula due to health or cultural reasons.



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Designed to promote soft stools.



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Hypoallergenic, extensively hydrolyzed, iron fortified infant formula, providing special feeding for babies with cow's milk protein allergy including colicky<sup>§</sup> babies.

<sup>§</sup> Due to cow's milk protein allergy.



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Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with cow's milk protein allergy, including colicky<sup>§</sup> infants.

<sup>§</sup> Due to cow's milk protein allergy.



## **PURAMINO A<sup>+</sup>® .....114**

Hypoallergenic, 100% free amino acid-based, iron fortified infant formula for the dietary management of infants and toddlers with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation.



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Hypoallergenic, 100% free amino acid-based powder for the dietary management of children over 12 months of age with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation.



## **Pregestimil® A<sup>+</sup>® .....122**

Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with fat malabsorption and who may also be sensitive to intact proteins.



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Cow's milk-based, iron fortified transitional infant formula for infants 6 months of age or older.



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Sterile water for oral use only.



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Sterile water for oral use only. Please contact your Hospital Account Manager for product access and contract inclusion.



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5% glucose in water. For oral use only.

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A milk-protein based powder with medium-chain triglycerides (MCT) for children and adults.



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Oral electrolyte maintenance solution.  
Light cherry flavour.

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Phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented phenylketonuria (PKU).



### Phenyl-Free® 2 .....160

Phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).



### Phenyl-Free® 2 HP .....164

High protein phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).



### TYROS 1 .....168

Tyrosine- and phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented tyrosinemia type I and type II.



### TYROS 2 .....172

Phenylalanine and tyrosine-free powder for dietary management of children and adults (3 years and older) with inborn errors of tyrosine metabolism including tyrosinemia type II.



## BCAD 1 .....176

An isoleucine-, leucine-, and valine-free, iron fortified infant formula with DHA and ARA for the dietary management of infants and young children with documented Maple Syrup Urine Disease (MSUD).



## BCAD 2 .....180

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## PFD 1 .....184

Protein- and amino acid-free infant formula\* with DHA and ARA for infants and young children with documented inborn errors of amino acid metabolism.

\* This product does contain taurine, a non-protein building amino acid.



## PFD 2 .....188

Protein- and amino acid-free powder\* for dietary management of children and adults (3 years and older) with documented amino acid metabolic disorders.

\* This product does contain taurine, a non-protein building amino acid.

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### Vitamin D Supplement

Liquid vitamin D supplement for all full-term breastfed infants.



## Enfamil® Tri-Vi-Sol® (Liquid) .....195

### Multi-Vitamin Supplement of Vitamins A, D and C

Liquid vitamin A, D, and C supplement for infants and children under 3 years of age. For the maintenance of good health for growing infants and toddlers.



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### **Multi-Vitamin Supplement**

Liquid multivitamin supplementation for infants and children under 3 years of age. For the maintenance of good health for growing infants and toddlers.



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Helps to prevent iron deficiency.



## **Infamil® Fer-In-Sol® (Syrup) .....201**

### **Ferrous Sulfate Oral Solution U.S.P.**

Helps to prevent iron deficiency.

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# Premature Products



Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).





# Enfamil® Human Milk Fortifier (Powder)

Powdered breast milk supplement for premature or low birth weight infants.

UD M IFANCA

## INDICATION

Powdered breast milk supplement for premature or low birth weight infants. Four (4) packets of Enfamil® Human Milk Fortifier, the amount usually added to 100 mL preterm human milk, supply the following:

## NUTRIENTS

| Analysis                                                       | per 4 packets |
|----------------------------------------------------------------|---------------|
| Energy (kcal/kJ)                                               | 14/59         |
| Protein (g)                                                    | 1.1           |
| % of total energy                                              | 32            |
| Source: Milk protein isolate, whey protein isolate hydrolysate |               |
| Carbohydrate (g)                                               | 0.4           |
| % of total energy                                              | 6             |
| Source: Minerals, corn syrup solids, citrates, lactose         |               |
| Fat (g)                                                        | 1             |
| % of total energy                                              | 62            |
| Source: MCT oil (70%), soy oil (30%)                           |               |
| Linoleic Acid (mg)                                             | 140           |
| Linolenic Acid (mg)                                            | 17            |
| Minerals                                                       |               |
| Calcium (mg)                                                   | 90            |
| (mMol)                                                         | 2.2           |
| Phosphorus (mg)                                                | 50            |
| (mMol)                                                         | 1.61          |
| Magnesium (mg)                                                 | 1             |
| (mMol)                                                         | 0.04          |

| Analysis                     | per 4 packets |
|------------------------------|---------------|
| Iron (mg)                    | 1.44          |
| Zinc (mg)                    | 0.72          |
| Manganese (µg)               | 10            |
| Copper (µg)                  | 44            |
| Sodium (mg)                  | 16            |
| (mMol)                       | 0.7           |
| Potassium (mg)               | 29            |
| (mMol)                       | 0.74          |
| Chloride (mg)                | 13            |
| (mMol)                       | 0.37          |
| <b>Vitamins</b>              |               |
| Vitamin A (IU)               | 950           |
| Vitamin D (IU)               | 150           |
| Vitamin E (IU)               | 4.6           |
| Vitamin K (µg)               | 4.4           |
| Vitamin C (mg)               | 12            |
| Thiamine (µg)                | 150           |
| Riboflavin (µg)              | 220           |
| Niacin (µg)                  | 3000          |
| Pantothenic Acid (µg)        | 730           |
| Vitamin B <sub>6</sub> (µg)  | 115           |
| Folic Acid (µg)              | 25            |
| Vitamin B <sub>12</sub> (µg) | 0.18          |
| Biotin (µg)                  | 2.7           |

### Other Characteristics

|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| Potential Renal Solute Load (mOsm/4 packets) <sup>1</sup> | 9.8*              |
| Osmolality (mOsm/kg H <sub>2</sub> O)                     | + 35 <sup>†</sup> |
| Osmolarity (mOsm/L)                                       | Not available     |

\* When added to preterm human milk as recommended (4 packets/100 mL), Enfamil® Human Milk Fortifier increases potential renal solute load by approximately 9.8 mOsm/4 packets.

† When added to preterm human milk as recommended (4 packets/100 mL), Enfamil® Human Milk Fortifier increases osmolality by approximately 35 mOsm/kg water.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Medium chain triglycerides (MCT oil), Modified milk ingredients (cow's milk), Hydrolyzed whey, Soy oil, Corn syrup solids, Soy lecithin, Citric acid, **Minerals** (calcium gluconate, calcium glycerophosphate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium phosphate, potassium chloride, potassium citrate, potassium phosphate, sodium citrate, zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, dl- $\alpha$ -tocopheryl acetate, folic acid, niacinamide, pyridoxine hydrochloride, riboflavin, sodium ascorbate, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>, vitamin K<sub>1</sub>).

## PRODUCT FORMS

| Product                       | Format | Unit Size                            | Shelf Life | Item Number | Availability                                             |
|-------------------------------|--------|--------------------------------------|------------|-------------|----------------------------------------------------------|
| Enfamil® Human Milk Fortifier | Powder | Four (4) packets<br>0.71g per packet | 12 months  | 3221214     | Hospital & available on discharge by hospital dispensing |

## PREPARATION OF FEEDINGS

Enfamil® Human Milk Fortifier is designed for preterm infants as a nutritional supplement to be added to mother's human milk.

**CAUTION:** Nutritionally incomplete. To be used only under the supervision of a physician.

**WARNING:** The baby's health depends on carefully following these instructions. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Although this powder is formulated for premature infants, nutritional powders are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by a doctor.

- Follow hospital rules or the doctor's instructions for the safe handling of human milk.
- To aid mixing, agitate the human milk well. Pour the desired amount into a sterile container and warm to feeding temperature.
- Add the powder to the human milk according to the following chart:

| Additional Calories Desired | Human Milk | Enfamil® Human Milk Fortifier |
|-----------------------------|------------|-------------------------------|
| 2 kcal/30 mL                | 50 mL      | 1 packet                      |
| 4 kcal/30mL                 | 25 mL      | 1 packet                      |

The baby's doctor will provide instructions for the desired amount of calories to add.

- **Failure to follow these instructions could result in severe harm. Once prepared, fortified breast milk can spoil quickly.**
- Either feed fortified human milk immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Agitate before each use.
- **For tube feeding:** Once fortified human milk is prepared it can safely remain at room temperature for 4 hours.<sup>2</sup> The Academy of Nutrition and Dietetics (formerly known as the American Dietetic Association) recommends a hang time for fortified breast milk of no longer than 4 hours at room temperature (25°C/77°F).<sup>3</sup>
- **For bottle feeding:** Pour only the amount of fortified human milk to be fed into a feeding container and feed immediately. Do not use fortified human milk if it is unrefrigerated for more than a total of 2 hours. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.
- **WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

#### When Using This Product:

1. Monitor and regularly assess blood levels such as serum calcium, sodium, urea nitrogen, albumin, and others. In case of an elevated level, reduce the amount of Enfamil® Human Milk Fortifier used to supplement breast milk. In case of deficiency, additional supplementation with the deficient nutrient may be indicated.
2. Do not administer other nutrient supplements in addition to Enfamil® Human Milk Fortifier unless appropriate tests indicate a need for further supplementation with a particular nutrient.
3. Do not add Enfamil® Human Milk Fortifier to breast milk in a ratio greater than 1 packet/25 mL.
4. Preterm breast milk collected less than 2 weeks postpartum is particularly rich in nutrients, so fortification with Enfamil® Human Milk Fortifier is generally not required.

If more than 25 packets daily are used, the infant should be monitored for evidence of excessive vitamin A and D intake.

**STORAGE:** Store Enfamil® Human Milk Fortifier powder at room temperature. Avoid freezing and excessive heat. Use by date on package.

Neither expressed human milk nor nutritional powders are sterile.

**CAUTION:** Regarding use in extremely-low-birth-weight infants (ELBW-1 kg or less): Hypercalcemia has been reported in some of these infants on full enteral feeds of mother's milk supplemented with human milk fortifiers.

2. Telang S, Berseth CL, Ferguson PW, et al. Fortifying fresh human milk with commercial powdered human milk fortifiers does not affect bacterial growth during 6 hours at room temperature. *J Am Diet Assoc.* 2005;105:1567-1572.

3. Robbins ST, Meyers R, eds. *Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities.* Chicago, Ill: American Dietetic Association; 2011.



# Enfamil® Liquid Human Milk Fortifier Standard Protein, 5 mL Sachet

Please contact your Hospital Account Manager for product access and contract inclusion.



## INDICATION

Enfamil® Liquid Human Milk Fortifier Standard Protein is added to expressed breast milk for feeding premature and late preterm infants. It increases protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients to help promote growth in premature infants. It has 3.4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce concentration.\*

\* When mixed as directed at 5 mL HMF + 25 mL preterm human milk.

## PRODUCT BENEFITS

Enfamil® Liquid Human Milk Fortifier is designed for premature infants as a nutritional supplement to be added to breast milk.

- Convenient, single-serve options for flexibility in delivery
- Easy-to-mix commercially sterile liquid
- Ultra-concentrated formulation minimizes dilution of breast milk
- DHA and ARA to help support brain and eye development
- Non-acidified formulation
- Transparent sachet for viewing product

## NUTRIENTS

| Analysis          | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Human Milk (120 mL mixed to 24 Cal/fl oz concentration) <sup>†1</sup> | Per 100 Cal Fortified Preterm Human Milk when mixed to 24 Cal/fl oz concentration <sup>†1</sup> |
|-------------------|-------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Calories, kcal    | 7.5                     | 97                                                                                              | 100                                                                                             |
| Protein, g        | 0.42                    | 3.3                                                                                             | 3.4                                                                                             |
| Fat, g            | 0.58                    | 5.8                                                                                             | 6                                                                                               |
| Linoleic acid, mg | 58                      | 710                                                                                             | 730                                                                                             |
| Carbohydrate, g   | 0.28                    | 8.4                                                                                             | 8.7                                                                                             |
| Water, g          | 3.8                     | 104                                                                                             | 107                                                                                             |

| Analysis                                  | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Human Milk (120 mL mixed to 24 Cal/fl oz concentration) <sup>†</sup> | Per 100 Cal Fortified Preterm Human Milk when mixed to 24 Cal/fl oz concentration <sup>††</sup> |
|-------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Vitamins/Other Nutrients                  |                         |                                                                                                |                                                                                                 |
| Vitamin A, IU                             | 290                     | 1210                                                                                           | 1240                                                                                            |
| Vitamin D, IU                             | 47                      | 200                                                                                            | 200                                                                                             |
| Vitamin E, IU                             | 1.4                     | 6                                                                                              | 6.2                                                                                             |
| Vitamin K, mcg                            | 1.42                    | 7.7                                                                                            | 7.9                                                                                             |
| Thiamin (Vitamin B <sub>1</sub> ), mcg    | 46                      | 193                                                                                            | 200                                                                                             |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg | 66                      | 290                                                                                            | 300                                                                                             |
| Vitamin B <sub>6</sub> , mcg              | 35                      | 146                                                                                            | 150                                                                                             |
| Vitamin B <sub>12</sub> , mcg             | 0.16                    | 0.66                                                                                           | 0.68                                                                                            |
| Niacin, mcg                               | 920                     | 3900                                                                                           | 4000                                                                                            |
| Folic Acid (Folacin), mcg                 | 7.7                     | 34                                                                                             | 35                                                                                              |
| Pantothenic acid, mcg                     | 230                     | 1150                                                                                           | 1190                                                                                            |
| Biotin, mcg                               | 0.84                    | 3.9                                                                                            | 4.1                                                                                             |
| Vitamin C (Ascorbic acid), mg             | 3.8                     | 20                                                                                             | 20                                                                                              |
| Minerals                                  |                         |                                                                                                |                                                                                                 |
| Calcium, mg                               | 29                      | 141                                                                                            | 145                                                                                             |
| Phosphorus, mg                            | 15.8                    | 78                                                                                             | 80                                                                                              |
| Magnesium, mg                             | 2                       | 11.3                                                                                           | 11.6                                                                                            |
| Iron, mg                                  | 0.44                    | 1.85                                                                                           | 1.9                                                                                             |
| Zinc, mg                                  | 0.24                    | 1.33                                                                                           | 1.37                                                                                            |
| Manganese, mcg                            | 2.5                     | 10.4                                                                                           | 10.7                                                                                            |
| Copper, mcg                               | 15                      | 98                                                                                             | 101                                                                                             |
| Sodium, mg                                | 6.8                     | 55                                                                                             | 57                                                                                              |
| Potassium, mg                             | 11.3                    | 95                                                                                             | 98                                                                                              |
| Chloride, mg                              | 6.9                     | 86                                                                                             | 88                                                                                              |

† Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL.

1. Koletzko B, Cheah F-C, Domellöf M, van Goudoever JB, Poindexter BB, Vain N. Scientific Basis and Practical Application of Nutritional Care for Preterm Infants. *World Rev Nutr Diet.* 2021;122:XIII-XIV.

## FORTIFIED HUMAN MILK INFORMATION

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------|--------------------------------|--------------------------------|
| Recipe                                                         |                                |                                |
| Preterm human milk + Enfamil® Liquid<br>HMF Standard Protein   | 50 mL + 5 mL                   | 25 mL + 5 mL                   |
| Final volume, mL                                               | 55                             | 30                             |
| Nutrients                                                      |                                |                                |
| Protein, g                                                     | 3                              | 3.4                            |
| Fat, g                                                         | 5.7                            | 6                              |
| Carbohydrate, g                                                | 9.6                            | 8.7                            |
| Water, g                                                       | 118                            | 107                            |
| Vitamins                                                       |                                |                                |
| Vitamin A activity, IU                                         | 770                            | 1240                           |
| Vitamin D, IU                                                  | 124                            | 200                            |
| Vitamin E, IU                                                  | 3.9                            | 6.2                            |
| Vitamin K, mcg                                                 | 5.9                            | 7.9                            |
| Thiamin (Vitamin B <sub>1</sub> ), mcg                         | 123                            | 200                            |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg                      | 194                            | 300                            |
| Vitamin B <sub>6</sub> , mcg                                   | 93                             | 150                            |
| Vitamin B <sub>12</sub> , mcg                                  | 0.41                           | 0.68                           |
| Niacin, mcg                                                    | 2500                           | 4000                           |
| Folic acid (Folacin), mcg                                      | 23                             | 35                             |
| Pantothenic acid, mcg                                          | 840                            | 1190                           |
| Biotin, mcg                                                    | 2.7                            | 4.1                            |
| Vitamin C (Ascorbic acid), mg                                  | 14.6                           | 20                             |
| Minerals                                                       |                                |                                |
| Calcium, mg                                                    | 101                            | 145                            |
| Phosphorus, mg                                                 | 56                             | 80                             |
| Magnesium, mg                                                  | 8.9                            | 11.6                           |
| Iron, mg                                                       | 1.18                           | 1.9                            |
| Zinc, mg                                                       | 1.04                           | 1.37                           |
| Manganese, mcg                                                 | 6.5                            | 10.7                           |
| Copper, mcg                                                    | 83                             | 101                            |

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------|--------------------------------|--------------------------------|
| Iodine, mcg                                                    | 22                             | 18.4                           |
| Selenium, mcg                                                  | 2.9                            | 2.5                            |
| Sodium, mg                                                     | 51                             | 57                             |
| Potassium, mg                                                  | 89                             | 98                             |
| Chloride, mg                                                   | 88                             | 88                             |
| Linoleic acid, mg                                              | 730                            | 730                            |
| Linolenic acid, mg                                             | 54                             | 60                             |
| ARA, mg                                                        | 32                             | 38                             |
| DHA, mg                                                        | 21                             | 24                             |

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------|-------------------------------|-------------------------------|
| Recipe                                                         |                               |                               |
| Preterm human milk + Enfamil® Liquid<br>HMF Standard Protein   | 50 mL + 5 mL                  | 25 mL + 5 mL                  |
| Final volume, mL                                               | 55                            | 30                            |
| Nutrients                                                      |                               |                               |
| Energy, Cal                                                    | 75                            | 81                            |
| Protein, g                                                     | 2.2                           | 2.8                           |
| Fat, g                                                         | 4.2                           | 4.8                           |
| Carbohydrate, g                                                | 7.1                           | 7                             |
| Water, g                                                       | 88                            | 87                            |
| Vitamins/Other Nutrients                                       |                               |                               |
| Vitamin A activity, IU                                         | 570                           | 1010                          |
| Vitamin D, IU                                                  | 93                            | 167                           |
| Vitamin E, IU                                                  | 2.9                           | 5                             |
| Vitamin K, mcg                                                 | 4.4                           | 6.4                           |
| Thiamin (Vitamin B <sub>1</sub> ), mcg                         | 92                            | 161                           |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg                      | 145                           | 240                           |
| Vitamin B <sub>6</sub> , mcg                                   | 69                            | 122                           |
| Vitamin B <sub>12</sub> , mcg                                  | 0.31                          | 0.55                          |
| Niacin, mcg                                                    | 1860                          | 3300                          |



| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------|-------------------------------|-------------------------------|
| Folic acid (Folacin), mcg                                      | 16.8                          | 28                            |
| Pantothenic acid, mcg                                          | 630                           | 960                           |
| Biotin, mcg                                                    | 2                             | 3.3                           |
| Vitamin C (Ascorbic acid), mg                                  | 10.9                          | 16.7                          |
| Minerals                                                       |                               |                               |
| Calcium, mg                                                    | 75                            | 118                           |
| Phosphorus, mg                                                 | 42                            | 65                            |
| Magnesium, mg                                                  | 6.6                           | 9.4                           |
| Iron, mg                                                       | 0.88                          | 1.54                          |
| Zinc, mg                                                       | 0.77                          | 1.11                          |
| Manganese, mcg                                                 | 4.9                           | 8.7                           |
| Copper, mcg                                                    | 62                            | 82                            |
| Iodine, mcg                                                    | 16.2                          | 14.8                          |
| Selenium, mcg                                                  | 2.2                           | 2                             |
| Sodium, mg                                                     | 38                            | 46                            |
| Potassium, mg                                                  | 66                            | 79                            |
| Chloride, mg                                                   | 65                            | 72                            |
| Additional Nutrients                                           |                               |                               |
| Linoleic acid, mg                                              | 540                           | 590                           |
| Linolenic acid, mg                                             | 40                            | 48                            |
| ARA, mg                                                        | 24                            | 31                            |
| DHA, mg                                                        | 15.6                          | 19.2                          |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Recipe                                                                     |                                |                                |
| Term human milk + Enfamil® Liquid<br>HMF Standard Protein                  | 50 mL + 5 mL                   | 25 mL + 5 mL                   |
| Final volume, mL                                                           | 55                             | 30                             |
| Nutrients                                                                  |                                |                                |
| Protein <sup>1</sup> , g                                                   | 2.1                            | 2.7                            |
| Fat <sup>1</sup> , g                                                       | 5.6                            | 6                              |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Carbohydrate <sup>1</sup> , g                                              | 10.4                           | 9.4                            |
| Water, g                                                                   | 118                            | 108                            |
| Vitamins/Other Nutrients                                                   |                                |                                |
| Vitamin A activity <sup>1</sup> , IU                                       | 880                            | 1340                           |
| Vitamin D <sup>1</sup> , IU                                                | 116                            | 194                            |
| Vitamin E <sup>1</sup> , IU                                                | 4.4                            | 6.6                            |
| Vitamin K <sup>1</sup> , mcg                                               | 3.7                            | 6.2                            |
| Thiamin (Vitamin B <sub>1</sub> ) <sup>1</sup> , mcg                       | 136                            | 210                            |
| Riboflavin (Vitamin B <sub>2</sub> ) <sup>1</sup> , mcg                    | 220                            | 320                            |
| Vitamin B <sub>6</sub> <sup>1</sup> , mcg                                  | 109                            | 164                            |
| Vitamin B <sub>12</sub> <sup>1</sup> , mcg                                 | 0.48                           | 0.74                           |
| Niacin <sup>1</sup> , mcg                                                  | 2700                           | 4200                           |
| Folic acid (Folacin) <sup>1</sup> , mcg                                    | 32                             | 43                             |
| Pantothenic acid <sup>1</sup> , mcg                                        | 830                            | 1180                           |
| Biotin <sup>1</sup> , mcg                                                  | 2.9                            | 4.2                            |
| Vitamin C (Ascorbic acid) <sup>1</sup> , mg                                | 21                             | 26                             |
| Choline <sup>2</sup> , mg                                                  | 19.4                           | 16.4                           |
| Inositol <sup>3</sup> , mg                                                 | 32                             | 27                             |
| Minerals                                                                   |                                |                                |
| Calcium <sup>1</sup> , mg                                                  | 98                             | 143                            |
| Phosphorus <sup>1</sup> , mg                                               | 54                             | 78                             |
| Magnesium <sup>1</sup> , mg                                                | 8.8                            | 11.6                           |
| Iron <sup>1</sup> , mg                                                     | 1.14                           | 1.87                           |
| Zinc <sup>1</sup> , mg                                                     | 0.82                           | 1.19                           |
| Manganese <sup>1</sup> , mcg                                               | 6.4                            | 10.6                           |
| Copper <sup>1</sup> , mcg                                                  | 73                             | 92                             |
| Iodine <sup>1</sup> , mcg                                                  | 18.2                           | 15.4                           |
| Selenium <sup>1</sup> , mcg                                                | 2.4                            | 2.1                            |
| Sodium <sup>1</sup> , mg                                                   | 39                             | 47                             |
| Potassium <sup>1</sup> , mg                                                | 85                             | 95                             |
| Chloride <sup>1</sup> , mg                                                 | 68                             | 73                             |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Additional Nutrients                                                       |                                |                                |
| Linoleic acid <sup>4</sup> , mg                                            | 830                            | 820                            |
| Linolenic acid <sup>4</sup> , mg                                           | 62                             | 67                             |
| ARA <sup>5</sup> , mg                                                      | 32                             | 38                             |
| DHA <sup>5</sup> , mg                                                      | 21                             | 24                             |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Recipe                                                                     |                               |                               |
| Term human milk + Enfamil® Liquid<br>HMF Standard Protein                  | 50 mL + 5 mL                  | 25 mL + 5 mL                  |
| Final volume, mL                                                           | 55                            | 30                            |
| Nutrients                                                                  |                               |                               |
| Energy <sup>1</sup> , Cal                                                  | 75                            | 81                            |
| Protein <sup>1</sup> , g                                                   | 1.58                          | 2.2                           |
| Fat <sup>1</sup> , g                                                       | 4.2                           | 4.8                           |
| Carbohydrate <sup>1</sup> , g                                              | 7.8                           | 7.6                           |
| Water, g                                                                   | 89                            | 88                            |
| Vitamins/Other Nutrients                                                   |                               |                               |
| Vitamin A activity <sup>1</sup> , IU                                       | 660                           | 1090                          |
| Vitamin D <sup>1</sup> , IU                                                | 87                            | 158                           |
| Vitamin E <sup>1</sup> , IU                                                | 3.3                           | 5.3                           |
| Vitamin K <sup>1</sup> , mcg                                               | 2.8                           | 5                             |
| Thiamin (Vitamin B <sub>1</sub> ) <sup>1</sup> , mcg                       | 102                           | 167                           |
| Riboflavin (Vitamin B <sub>2</sub> ) <sup>1</sup> , mcg                    | 165                           | 260                           |
| Vitamin B <sub>6</sub> <sup>1</sup> , mcg                                  | 82                            | 133                           |
| Vitamin B <sub>12</sub> <sup>1</sup> , mcg                                 | 0.36                          | 0.6                           |
| Niacin <sup>1</sup> , mcg                                                  | 2000                          | 3400                          |
| Folic acid (Folacin) <sup>1</sup> , mcg                                    | 24                            | 35                            |
| Pantothenic acid <sup>1</sup> , mcg                                        | 620                           | 960                           |
| Biotin <sup>1</sup> , mcg                                                  | 2.2                           | 3.4                           |
| Vitamin C (Ascorbic acid) <sup>1</sup> , mg                                | 16                            | 21                            |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Choline <sup>2</sup> , mg                                                  | 14.5                          | 13.3                          |
| Inositol <sup>3</sup> , mg                                                 | 24                            | 22                            |
| Minerals                                                                   |                               |                               |
| Calcium <sup>1</sup> , mg                                                  | 73                            | 116                           |
| Phosphorus <sup>1</sup> , mg                                               | 41                            | 63                            |
| Magnesium <sup>1</sup> , mg                                                | 6.6                           | 9.4                           |
| Iron <sup>1</sup> , mg                                                     | 0.85                          | 1.52                          |
| Zinc <sup>1</sup> , mg                                                     | 0.62                          | 0.97                          |
| Manganese <sup>1</sup> , mcg                                               | 4.8                           | 8.6                           |
| Copper <sup>1</sup> , mcg                                                  | 55                            | 75                            |
| Iodine <sup>1</sup> , mcg                                                  | 13.6                          | 12.5                          |
| Selenium <sup>1</sup> , mcg                                                | 1.82                          | 1.67                          |
| Sodium <sup>1</sup> , mg                                                   | 29                            | 38                            |
| Potassium <sup>1</sup> , mg                                                | 64                            | 78                            |
| Chloride <sup>1</sup> , mg                                                 | 51                            | 59                            |
| Additional Nutrients                                                       |                               |                               |
| Linoleic acid <sup>4</sup> , mg                                            | 620                           | 670                           |
| Linolenic acid <sup>4</sup> , mg                                           | 46                            | 54                            |
| ARA <sup>5</sup> , mg                                                      | 24                            | 31                            |
| DHA <sup>5</sup> , mg                                                      | 15.6                          | 19.2                          |

1. Picciano MF. Nutrient composition of human milk. *Pediatr Clin North Am.* 2001 Feb;48(1):53-67, 263-264.

2. Institute of Medicine (US) Standing Committee on the Scientific Evaluation of Dietary Reference Intakes and its Panel on Folate, Other B Vitamins, and Choline. Dietary Reference Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline. Washington (DC): National Academies Press (US); 1998.

3. Pereira GR, Baker L, Egler J, Corcoran L, Chiavacci R. Serum myo-inositol concentrations in premature infants fed human milk, formula for infants, and parenteral nutrition. *Am J Clin Nutr.* 1990;51(4):589-93.

4. Innis SM. Human milk and formula fatty acids. *J Pediatr.* 1992; 120(4 Pt 2):S56-61.

5. Brenna JT, Varamini B, Jensen RG, Diersen-Schade DA, Boettcher JA, Arterburn LM. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85(6):1457-64.

| Nutrient Density                                             | Fortified Preterm Human Milk to 24 Cal (1:5 ratio HMF to preterm milk) | Fortified Preterm Human Milk to 22 Cal (1:10 ratio HMF to preterm milk) |
|--------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Potential Renal Solute Load (mOsm/100 Calories) <sup>6</sup> | 30                                                                     | 26                                                                      |
| Osmolality (mOsm/kg H <sub>2</sub> O)                        | 300-360                                                                | 280-340                                                                 |
| pH*                                                          | 5.5-6.3                                                                | 5.8-6.3                                                                 |

\* The pH of any product can vary depending upon environmental factors such as temperature or as the product ages. This value represents the pH of products over shelf life.

6. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134(1):11-14.

## INGREDIENTS

Water, whey protein isolate hydrolysate (milk), medium chain triglycerides (MCT oil), maltodextrin, soy oil, and less than 2%: Mortierella alpina oil<sup>†</sup>, Schizochytrium sp. oil<sup>‡</sup>, magnesium oxide, calcium citrate, calcium phosphate, potassium citrate, calcium chloride, sodium citrate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, pectin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B<sub>6</sub> hydrochloride, folic acid, vitamin K<sub>1</sub>, biotin, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>.

<sup>†</sup> A source of arachidonic acid (ARA).

<sup>‡</sup> A source of docosahexaenoic acid (DHA).

## ALLERGEN INFORMATION

Enfamil<sup>®</sup> Liquid Human Milk Fortifier Standard Protein contains milk and soy.

## PRODUCT FORMS

| Product                                                                  | Format | Unit Size                  | Approximate Product Yield at Normal Dilution         | Shelf Life | Item Number | Availability                                             |
|--------------------------------------------------------------------------|--------|----------------------------|------------------------------------------------------|------------|-------------|----------------------------------------------------------|
| Enfamil <sup>®</sup> Liquid Human Milk Fortifier Standard Protein Sachet | Liquid | 5 mL Sachets /144 per case | 1 sachet = 5 mL of liquid HMF + 25 mL of breast milk | 12 months  | 3180545     | Hospital & available on discharge by hospital dispensing |

## CONCENTRATIONS AND PREPARATION

The baby's health depends on carefully following the instructions below. Use only as directed by a medical professional. Improper hygiene, preparation, concentration, use or storage may result in severe harm.

Follow hospital rules or the baby's doctor's instructions for safe handling and fortification of breast milk. Opened sachets can spoil quickly. Use fortifier immediately and discard any remaining or unused fortifier.

This product is commercially sterile as produced.

#### Directions for Use:

- Pour desired quantity of breast milk into a sterile feeding container.
- Gently massage HMF sachet until uniform as some product separation is normal.
- Use perforation to completely tear open sachet.
- Add desired amount of HMF to breast milk in sterile feeding container.
- Shake until mixed well. Fortified breast milk can spoil quickly. Either feed fortified breast milk immediately or cover and store in refrigerator at 35-40°F (2-4°C) for no longer than 24 hours. After feeding begins, use fortified breast milk within one hour or discard.

#### Directions for When Stored:

Refrigerate unused fortified breast milk and use within 24 hours. After refrigeration, gently remix and feed immediately. Discard remaining fortified breast milk promptly after bottle feeding session.

#### Storage:

Store unopened sachets in carton at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**WARNING:** Do not use a microwave oven to warm the fortified breast milk. Serious burns may result.

**WARNING:** Do not administer directly – must add to breast milk.

**WARNING:** Not for parenteral (I.V.) use.

Do not use if sachet is damaged. Use by date on carton or sachet.

| Additional Calories Desired | Breast Milk | Enfamil® Liquid Human Milk Fortifier Standard Protein | Total Concentration (breast milk + LHMf) |
|-----------------------------|-------------|-------------------------------------------------------|------------------------------------------|
| 2 Calories/fl oz            | 50 mL       | 5 mL                                                  | 22 Cal/fl oz concentration               |
| 4 Calories/fl oz            | 25 mL       | 5 mL                                                  | 24 Cal/fl oz concentration               |



# Enfamil® Liquid Human Milk Fortifier High Protein, 5 mL Sachet

Please contact your Hospital Account Manager for product access and contract inclusion.



## INDICATION

Enfamil® Liquid Human Milk Fortifier High Protein is added to expressed breast milk for feeding premature and low-birth-weight infants. It provides enriched nutrition needed by these special babies while still allowing them to receive their mother's milk. Enfamil® Liquid Human Milk Fortifier High Protein increases the levels of protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant. It has 4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce concentration.\*

\* When mixed as directed at 5 mL HMF + 25 mL preterm human milk.

## PRODUCT BENEFITS

Enfamil® Liquid Human Milk Fortifier is designed for premature infants as a nutritional supplement to be added to breast milk.

- Convenient, single-serve options for flexibility in delivery
- Easy-to-mix commercially sterile liquid
- Ultra-concentrated formulation minimizes dilution of breast milk
- DHA and ARA to help support brain and eye development
- Non-acidified formulation
- Transparent sachet for viewing product

## NUTRIENTS

| Analysis          | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Human Milk (120 mL mixed to 24 Cal/fl oz concentration) <sup>†1</sup> | Per 100 Cal Fortified Preterm Human Milk when mixed to 24 Cal/fl oz concentration <sup>†1</sup> |
|-------------------|-------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Calories, kcal    | 7.5                     | 97                                                                                              | 100                                                                                             |
| Protein, g        | 0.56                    | 3.9                                                                                             | 4                                                                                               |
| Fat, g            | 0.58                    | 5.8                                                                                             | 6                                                                                               |
| Linoleic acid, mg | 58                      | 710                                                                                             | 730                                                                                             |
| Carbohydrate, g   | 0.11                    | 7.7                                                                                             | 7.9                                                                                             |
| Water, g          | 3.8                     | 104                                                                                             | 107                                                                                             |

| Analysis                                  | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Human Milk (120 mL mixed to 24 Cal/fl oz concentration) <sup>††</sup> | Per 100 Cal Fortified Preterm Human Milk when mixed to 24 Cal/fl oz concentration <sup>††</sup> |
|-------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Vitamins/Other Nutrients                  |                         |                                                                                                 |                                                                                                 |
| Vitamin A, IU                             | 290                     | 1210                                                                                            | 1240                                                                                            |
| Vitamin D, IU                             | 47                      | 200                                                                                             | 200                                                                                             |
| Vitamin E, IU                             | 1.4                     | 6                                                                                               | 6.2                                                                                             |
| Vitamin K, mcg                            | 1.42                    | 7.7                                                                                             | 7.9                                                                                             |
| Thiamin (Vitamin B <sub>1</sub> ), mcg    | 46                      | 193                                                                                             | 200                                                                                             |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg | 66                      | 290                                                                                             | 300                                                                                             |
| Vitamin B <sub>6</sub> , mcg              | 35                      | 146                                                                                             | 150                                                                                             |
| Vitamin B <sub>12</sub> , mcg             | 0.16                    | 0.66                                                                                            | 0.68                                                                                            |
| Niacin, mcg                               | 920                     | 3900                                                                                            | 4000                                                                                            |
| Folic acid (Folacin), mcg                 | 7.7                     | 34                                                                                              | 35                                                                                              |
| Pantothenic acid, mcg                     | 230                     | 1150                                                                                            | 1190                                                                                            |
| Biotin, mcg                               | 0.84                    | 3.9                                                                                             | 4.1                                                                                             |
| Vitamin C (Ascorbic acid), mg             | 3.8                     | 20                                                                                              | 20                                                                                              |
| Minerals                                  |                         |                                                                                                 |                                                                                                 |
| Calcium, mg                               | 29                      | 141                                                                                             | 145                                                                                             |
| Phosphorus, mg                            | 15.8                    | 78                                                                                              | 80                                                                                              |
| Magnesium, mg                             | 2                       | 11.3                                                                                            | 11.6                                                                                            |
| Iron, mg                                  | 0.44                    | 1.85                                                                                            | 1.9                                                                                             |
| Zinc, mg                                  | 0.24                    | 1.33                                                                                            | 1.37                                                                                            |
| Manganese, mcg                            | 2.5                     | 10.4                                                                                            | 10.7                                                                                            |
| Copper, mcg                               | 15                      | 98                                                                                              | 101                                                                                             |
| Sodium, mg                                | 6.8                     | 55                                                                                              | 57                                                                                              |
| Potassium, mg                             | 11.3                    | 95                                                                                              | 98                                                                                              |
| Chloride, mg                              | 6.9                     | 86                                                                                              | 88                                                                                              |

<sup>†</sup> Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL.

1. Koletzko B, Cheah F-C, Domellöf M, van Goudoever JB, Poindexter BB, Vain N. Scientific Basis and Practical Application of Nutritional Care for Preterm Infants. *World Rev Nutr Diet.* 2021;122:XIII-XIV.



## FORTIFIED HUMAN MILK INFORMATION

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------|--------------------------------|--------------------------------|
| Recipe                                                         |                                |                                |
| Preterm human milk + Enfamil® Liquid<br>HMF High Protein       | 50 mL + 5 mL                   | 25 mL + 5 mL                   |
| Final volume, mL                                               | 55                             | 30                             |
| Nutrients                                                      |                                |                                |
| Protein, g                                                     | 3.3                            | 4                              |
| Fat, g                                                         | 5.7                            | 6                              |
| Carbohydrate, g                                                | 9.2                            | 7.9                            |
| Water, g                                                       | 118                            | 107                            |
| Vitamins                                                       |                                |                                |
| Vitamin A activity, IU                                         | 770                            | 1240                           |
| Vitamin D, IU                                                  | 124                            | 200                            |
| Vitamin E, IU                                                  | 3.9                            | 6.2                            |
| Vitamin K, mcg                                                 | 5.9                            | 7.9                            |
| Thiamin (Vitamin B <sub>1</sub> ), mcg                         | 123                            | 200                            |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg                      | 194                            | 300                            |
| Vitamin B <sub>6</sub> , mcg                                   | 93                             | 150                            |
| Vitamin B <sub>12</sub> , mcg                                  | 0.41                           | 0.68                           |
| Niacin, mcg                                                    | 2500                           | 4000                           |
| Folic acid (Folacin), mcg                                      | 23                             | 35                             |
| Pantothenic acid, mcg                                          | 840                            | 1190                           |
| Biotin, mcg                                                    | 2.7                            | 4.1                            |
| Vitamin C (Ascorbic acid), mg                                  | 14.6                           | 20                             |
| Minerals                                                       |                                |                                |
| Calcium, mg                                                    | 101                            | 145                            |
| Phosphorus, mg                                                 | 56                             | 80                             |
| Magnesium, mg                                                  | 8.9                            | 11.6                           |
| Iron, mg                                                       | 1.18                           | 1.9                            |
| Zinc, mg                                                       | 1.04                           | 1.37                           |
| Manganese, mcg                                                 | 6.5                            | 10.7                           |
| Copper, mcg                                                    | 83                             | 101                            |

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------|--------------------------------|--------------------------------|
| Iodine, mcg                                                    | 22                             | 18.4                           |
| Selenium, mcg                                                  | 2.9                            | 2.5                            |
| Sodium, mg                                                     | 51                             | 57                             |
| Potassium, mg                                                  | 89                             | 98                             |
| Chloride, mg                                                   | 88                             | 88                             |
| Linoleic acid, mg                                              | 730                            | 730                            |
| Linolenic acid, mg                                             | 54                             | 60                             |
| ARA, mg                                                        | 32                             | 38                             |
| DHA, mg                                                        | 21                             | 24                             |

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------|-------------------------------|-------------------------------|
| Recipe                                                         |                               |                               |
| Preterm human milk + Enfamil® Liquid<br>HMF High Protein       | 50 mL + 5 mL                  | 25 mL + 5 mL                  |
| Final volume, mL                                               | 55                            | 30                            |
| Nutrients                                                      |                               |                               |
| Energy, Cal                                                    | 75                            | 81                            |
| Protein, g                                                     | 2.5                           | 3.3                           |
| Fat, g                                                         | 4.2                           | 4.8                           |
| Carbohydrate, g                                                | 6.8                           | 6.4                           |
| Water, g                                                       | 88                            | 87                            |
| Vitamins/Other Nutrients                                       |                               |                               |
| Vitamin A activity, IU                                         | 570                           | 1010                          |
| Vitamin D, IU                                                  | 93                            | 167                           |
| Vitamin E, IU                                                  | 2.9                           | 5                             |
| Vitamin K, mcg                                                 | 4.4                           | 6.4                           |
| Thiamin (Vitamin B <sub>1</sub> ), mcg                         | 92                            | 161                           |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg                      | 145                           | 240                           |
| Vitamin B <sub>6</sub> , mcg                                   | 69                            | 122                           |
| Vitamin B <sub>12</sub> , mcg                                  | 0.31                          | 0.55                          |
| Niacin, mcg                                                    | 1860                          | 3300                          |

| Fortified Preterm Human Milk<br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------|-------------------------------|-------------------------------|
| Folic acid (Folacin), mcg                                      | 16.8                          | 28                            |
| Pantothenic acid, mcg                                          | 630                           | 960                           |
| Biotin, mcg                                                    | 2                             | 3.3                           |
| Vitamin C (Ascorbic acid), mg                                  | 10.9                          | 16.7                          |
| Minerals                                                       |                               |                               |
| Calcium, mg                                                    | 75                            | 118                           |
| Phosphorus, mg                                                 | 42                            | 65                            |
| Magnesium, mg                                                  | 6.6                           | 9.4                           |
| Iron, mg                                                       | 0.88                          | 1.54                          |
| Zinc, mg                                                       | 0.77                          | 1.11                          |
| Manganese, mcg                                                 | 4.9                           | 8.7                           |
| Copper, mcg                                                    | 62                            | 82                            |
| Iodine, mcg                                                    | 16.2                          | 14.8                          |
| Selenium, mcg                                                  | 2.2                           | 2                             |
| Sodium, mg                                                     | 38                            | 46                            |
| Potassium, mg                                                  | 66                            | 79                            |
| Chloride, mg                                                   | 65                            | 72                            |
| Additional Nutrients                                           |                               |                               |
| Linoleic acid, mg                                              | 540                           | 590                           |
| Linolenic acid, mg                                             | 40                            | 48                            |
| ARA, mg                                                        | 24                            | 31                            |
| DHA, mg                                                        | 15.6                          | 19.2                          |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Recipe                                                                     |                                |                                |
| Term human milk + Enfamil® Liquid<br>HMF High Protein                      | 50 mL + 5 mL                   | 25 mL + 5 mL                   |
| Final volume, mL                                                           | 55                             | 30                             |
| Nutrients                                                                  |                                |                                |
| Protein <sup>1</sup> , g                                                   | 2.4                            | 3.3                            |
| Fat <sup>1</sup> , g                                                       | 5.6                            | 6                              |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Carbohydrate <sup>1</sup> , g                                              | 10                             | 8.7                            |
| Water, g                                                                   | 118                            | 108                            |
| Vitamins/Other Nutrients                                                   |                                |                                |
| Vitamin A activity <sup>1</sup> , IU                                       | 880                            | 1340                           |
| Vitamin D <sup>1</sup> , IU                                                | 116                            | 194                            |
| Vitamin E <sup>1</sup> , IU                                                | 4.4                            | 6.6                            |
| Vitamin K <sup>1</sup> , mcg                                               | 3.7                            | 6.2                            |
| Thiamin (Vitamin B <sub>1</sub> ) <sup>1</sup> , mcg                       | 122                            | 200                            |
| Riboflavin (Vitamin B <sub>2</sub> ) <sup>1</sup> , mcg                    | 220                            | 320                            |
| Vitamin B <sub>6</sub> <sup>1</sup> , mcg                                  | 109                            | 164                            |
| Vitamin B <sub>12</sub> <sup>1</sup> , mcg                                 | 0.48                           | 0.74                           |
| Niacin <sup>1</sup> , mcg                                                  | 2700                           | 4200                           |
| Folic acid (Folacin) <sup>1</sup> , mcg                                    | 32                             | 43                             |
| Pantothenic acid <sup>1</sup> , mcg                                        | 830                            | 1180                           |
| Biotin <sup>1</sup> , mcg                                                  | 2.9                            | 4.2                            |
| Vitamin C (Ascorbic acid) <sup>1</sup> , mg                                | 21                             | 26                             |
| Choline <sup>2</sup> , mg                                                  | 19.4                           | 16.4                           |
| Inositol <sup>3</sup> , mg                                                 | 32                             | 27                             |
| Minerals                                                                   |                                |                                |
| Calcium <sup>1</sup> , mg                                                  | 98                             | 143                            |
| Phosphorus <sup>1</sup> , mg                                               | 54                             | 78                             |
| Magnesium <sup>1</sup> , mg                                                | 8.8                            | 11.6                           |
| Iron <sup>1</sup> , mg                                                     | 1.14                           | 1.87                           |
| Zinc <sup>1</sup> , mg                                                     | 0.82                           | 1.19                           |
| Manganese <sup>1</sup> , mcg                                               | 6.4                            | 10.6                           |
| Copper <sup>1</sup> , mcg                                                  | 73                             | 92                             |
| Iodine <sup>1</sup> , mcg                                                  | 18.2                           | 15.4                           |
| Selenium <sup>1</sup> , mcg                                                | 2.4                            | 2.1                            |
| Sodium <sup>1</sup> , mg                                                   | 39                             | 47                             |
| Potassium <sup>1</sup> , mg                                                | 85                             | 95                             |
| Chloride <sup>1</sup> , mg                                                 | 68                             | 73                             |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 Cal at<br>22 Cal/fl oz | Per 100 Cal at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|--------------------------------|--------------------------------|
| Additional Nutrients                                                       |                                |                                |
| Linoleic acid <sup>4</sup> , mg                                            | 830                            | 820                            |
| Linolenic acid <sup>4</sup> , mg                                           | 62                             | 67                             |
| ARA <sup>5</sup> , mg                                                      | 32                             | 38                             |
| DHA <sup>5</sup> , mg                                                      | 21                             | 24                             |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Recipe                                                                     |                               |                               |
| Term human milk + Enfamil Liquid HMF<br>High Protein                       | 50 mL + 5 mL                  | 25 mL + 5 mL                  |
| Final volume, mL                                                           | 55                            | 30                            |
| Nutrients                                                                  |                               |                               |
| Energy <sup>1</sup> , Cal                                                  | 75                            | 81                            |
| Protein <sup>1</sup> , g                                                   | 1.84                          | 2.7                           |
| Fat <sup>1</sup> , g                                                       | 4.2                           | 4.8                           |
| Carbohydrate <sup>1</sup> , g                                              | 7.5                           | 7                             |
| Water, g                                                                   | 89                            | 88                            |
| Vitamins/Other Nutrients                                                   |                               |                               |
| Vitamin A activity <sup>1</sup> , IU                                       | 660                           | 1090                          |
| Vitamin D <sup>1</sup> , IU                                                | 87                            | 158                           |
| Vitamin E <sup>1</sup> , IU                                                | 3.3                           | 5.3                           |
| Vitamin K <sup>1</sup> , mcg                                               | 2.8                           | 5                             |
| Thiamin (Vitamin B <sub>1</sub> ) <sup>1</sup> , mcg                       | 92                            | 161                           |
| Riboflavin (Vitamin B <sub>2</sub> ) <sup>1</sup> , mcg                    | 165                           | 260                           |
| Vitamin B <sub>6</sub> <sup>1</sup> , mcg                                  | 82                            | 133                           |
| Vitamin B <sub>12</sub> <sup>1</sup> , mcg                                 | 0.36                          | 0.6                           |
| Niacin <sup>1</sup> , mcg                                                  | 2000                          | 3400                          |
| Folic acid (Folacin) <sup>1</sup> , mcg                                    | 24                            | 35                            |
| Pantothenic acid <sup>1</sup> , mcg                                        | 620                           | 960                           |
| Biotin <sup>1</sup> , mcg                                                  | 2.2                           | 3.4                           |
| Vitamin C (Ascorbic acid) <sup>1</sup> , mg                                | 16                            | 21                            |

| Fortified Term Human Milk <sup>1-5</sup><br>Prepared to 22 or 24 Cal/fl oz | Per 100 mL at<br>22 Cal/fl oz | Per 100 mL at<br>24 Cal/fl oz |
|----------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Choline <sup>2</sup> , mg                                                  | 14.5                          | 13.3                          |
| Inositol <sup>3</sup> , mg                                                 | 24                            | 22                            |
| Minerals                                                                   |                               |                               |
| Calcium <sup>1</sup> , mg                                                  | 73                            | 116                           |
| Phosphorus <sup>1</sup> , mg                                               | 41                            | 63                            |
| Magnesium <sup>1</sup> , mg                                                | 6.6                           | 9.4                           |
| Iron <sup>1</sup> , mg                                                     | 0.85                          | 1.52                          |
| Zinc <sup>1</sup> , mg                                                     | 0.62                          | 0.97                          |
| Manganese <sup>1</sup> , mcg                                               | 4.8                           | 8.6                           |
| Copper <sup>1</sup> , mcg                                                  | 55                            | 75                            |
| Iodine <sup>1</sup> , mcg                                                  | 13.6                          | 12.5                          |
| Selenium <sup>1</sup> , mcg                                                | 1.82                          | 1.67                          |
| Sodium <sup>1</sup> , mg                                                   | 29                            | 38                            |
| Potassium <sup>1</sup> , mg                                                | 64                            | 78                            |
| Chloride <sup>1</sup> , mg                                                 | 51                            | 59                            |
| Additional Nutrients                                                       |                               |                               |
| Linoleic acid <sup>4</sup> , mg                                            | 620                           | 670                           |
| Linolenic acid <sup>4</sup> , mg                                           | 46                            | 54                            |
| ARA <sup>5</sup> , mg                                                      | 24                            | 31                            |
| DHA <sup>5</sup> , mg                                                      | 15.6                          | 19.2                          |

1. Picciano MF. Nutrient composition of human milk. *Pediatr Clin North Am.* 2001 Feb;48(1):53-67, 263-264.

2. Institute of Medicine (US) Standing Committee on the Scientific Evaluation of Dietary Reference Intakes and its Panel on Folate, Other B Vitamins, and Choline. Dietary Reference Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline. Washington (DC): National Academies Press [US]; 1998.

3. Pereira GR, Baker L, Egler J, Corcoran L, Chiavacci R. Serum myoinositol concentrations in premature infants fed human milk, formula for infants, and parenteral nutrition. *Am J Clin Nutr.* 1990;51(4):589-93.

4. Innis SM. Human milk and formula fatty acids. *J Pediatr.* 1992; 120(4 Pt 2):S56-61.

5. Brenna JT, Varamini B, Jensen RG, Diersen-Schade DA, Boettcher JA, Arterburn LM. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85(6):1457-64.

| Nutrient Density                                             | Fortified Preterm Human Milk to 24 Cal (1:5 ratio HMF to preterm milk) | Fortified Preterm Human Milk to 22 Cal (1:10 ratio HMF to preterm milk) |
|--------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Potential Renal Solute Load (mOsm/100 Calories) <sup>6</sup> | 33                                                                     | 28                                                                      |
| Osmolality (mOsm/kg H <sub>2</sub> O)                        | 290-350                                                                | 280-340                                                                 |
| pH*                                                          | 5.5-6.3                                                                | 5.8-6.3                                                                 |

\* The pH of any product can vary depending upon environmental factors such as temperature or as the product ages. This value represents the pH of products over shelf life.

6. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134(1):11-14.

## INGREDIENTS

Water, whey protein isolate hydrolysate (milk), medium chain triglycerides (MCT oil), soy oil and less than 2%: Mortierella alpina oil<sup>†</sup>, Schizochytrium Sp. oil<sup>‡</sup>, magnesium oxide, pectin, vitamin A palmitate, vitamin E acetate, vitamin D<sub>3</sub>, vitamin K<sub>1</sub>, thiamin hydrochloride, riboflavin, vitamin B<sub>6</sub> hydrochloride, vitamin B<sub>12</sub>, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, calcium citrate, calcium phosphate, cupric sulfate, sodium citrate, potassium citrate, calcium chloride, ferrous sulfate, magnesium phosphate, zinc sulfate.

<sup>†</sup> A source of arachidonic acid (ARA).

<sup>‡</sup> A source of docosahexaenoic acid (DHA).

## ALLERGEN INFORMATION

Enfamil® Liquid Human Milk Fortifier High Protein contains milk and soy.

## PRODUCT FORMS

| Product                                                  | Format | Unit Size                  | Approximate Product Yield at Normal Dilution         | Shelf Life | Item Number | Availability                                             |
|----------------------------------------------------------|--------|----------------------------|------------------------------------------------------|------------|-------------|----------------------------------------------------------|
| Enfamil® Liquid Human Milk Fortifier High Protein Sachet | Liquid | 5 mL Sachets /144 per case | 1 sachet = 5 mL of liquid HMF + 25 mL of breast milk | 12 months  | 3180315     | Hospital & available on discharge by hospital dispensing |

## CONCENTRATIONS AND PREPARATION

The baby's health depends on carefully following the instructions below. Use only as directed by a medical professional. Improper hygiene, preparation, concentration, use or storage may result in severe harm.

Follow hospital rules or the baby's doctor's instructions for the safe handling and fortification of breast milk. Opened sachets can spoil quickly. Use fortifier immediately and discard any remaining, unused fortifier.

This product is commercially sterile as produced.

#### Directions for Use:

- Pour desired quantity of breast milk into a sterile feeding container.
- Gently massage HMF sachet until uniform as some product separation is normal.
- Use perforation to completely tear open sachet.
- Add desired amount of HMF to breast milk in sterile feeding container.
- Shake until mixed well. Fortified breast milk can spoil quickly. Either feed fortified breast milk immediately or cover and store in refrigerator at 35-40°F (2-4°C) for no longer than 24 hours. After feeding begins, use fortified breast milk within one hour or discard.

#### Directions for When Stored:

Refrigerate unused fortified breast milk and use within 24 hours. After refrigeration, gently remix and feed immediately. Discard remaining fortified breast milk promptly after bottle feeding session.

#### Storage:

Store unopened sachets in carton at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**WARNING:** Do not use a microwave oven to warm the fortified breast milk. Serious burns may result.

**WARNING:** Do not administer directly – must add to breast milk.

**WARNING:** Not for parenteral (I.V.) use.

Do not use if sachet is damaged. Use by date on carton or sachet.

| Additional Calories Desired | Breast Milk | Enfamil Liquid Human Milk Fortifier High Protein | Total Concentration (breast milk + LHMF) |
|-----------------------------|-------------|--------------------------------------------------|------------------------------------------|
| 2 Calories/fl oz            | 50 mL       | 5 mL                                             | 22 Cal/fl oz concentration               |
| 4 Calories/fl oz            | 25 mL       | 5 mL                                             | 24 Cal/fl oz concentration               |





# Enfamil® Liquid Human Milk Fortifier Standard Protein

U D M IFANCA

## INDICATION

Enfamil® Liquid Human Milk Fortifier Standard Protein is added to expressed breast milk for feeding premature and late preterm infants. It increases protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients to help promote growth in premature infants. It has 3.4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce concentration\*/0.81 kcal/mL concentration.

\* When mixed as directed at 5 mL HMF + 25 mL preterm human milk.

## NUTRIENTS

| Analysis                                  | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Breast Milk (120 mL mixed to 24 Cal/fl oz or 0.81 kcal/mL concentration) <sup>†</sup> | Per 100 Cal Fortified Preterm Breast Milk when mixed to 24 Cal/fl oz or 0.81 kcal/mL concentration <sup>†</sup> |
|-------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Calories, kcal                            | 7.5                     | 97                                                                                                              | 100                                                                                                             |
| Protein, g                                | 0.42                    | 3.3                                                                                                             | 3.4                                                                                                             |
| Fat, g                                    | 0.58                    | 5.8                                                                                                             | 6                                                                                                               |
| Linoleic acid, mg                         | 58                      | 710                                                                                                             | 730                                                                                                             |
| Carbohydrate, g                           | 0.28                    | 8.4                                                                                                             | 8.7                                                                                                             |
| Water, g                                  | 3.8                     | 104                                                                                                             | 107                                                                                                             |
| Vitamins/Other Nutrients                  |                         |                                                                                                                 |                                                                                                                 |
| Vitamin A, IU                             | 290                     | 1210                                                                                                            | 1240                                                                                                            |
| Vitamin D, IU                             | 47                      | 200                                                                                                             | 200                                                                                                             |
| Vitamin E, IU                             | 1.4                     | 6                                                                                                               | 6.2                                                                                                             |
| Vitamin K, mcg                            | 1.42                    | 7.7                                                                                                             | 7.9                                                                                                             |
| Thiamin (Vitamin B <sub>1</sub> ), mcg    | 46                      | 193                                                                                                             | 200                                                                                                             |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg | 66                      | 290                                                                                                             | 300                                                                                                             |

| Analysis                      | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Breast Milk (120 mL mixed to 24 Cal/fl oz or 0.81 kcal/mL concentration) <sup>†</sup> | Per 100 Cal Fortified Preterm Breast Milk when mixed to 24 Cal/fl oz or 0.81 kcal/mL concentration <sup>†</sup> |
|-------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Vitamin B <sub>6</sub> , mcg  | 35                      | 146                                                                                                             | 150                                                                                                             |
| Vitamin B <sub>12</sub> , mcg | 0.16                    | 0.66                                                                                                            | 0.68                                                                                                            |
| Niacin, mcg                   | 920                     | 3900                                                                                                            | 4000                                                                                                            |
| Folic Acid (Folacin), mcg     | 7.7                     | 34                                                                                                              | 35                                                                                                              |
| Pantothenic Acid, mcg         | 230                     | 1150                                                                                                            | 1190                                                                                                            |
| Biotin, mcg                   | 0.84                    | 3.9                                                                                                             | 4.1                                                                                                             |
| Vitamin C (Ascorbic Acid), mg | 3.8                     | 20                                                                                                              | 20                                                                                                              |
| Minerals                      |                         |                                                                                                                 |                                                                                                                 |
| Calcium, mg                   | 29                      | 141                                                                                                             | 145                                                                                                             |
| Phosphorus, mg                | 15.8                    | 78                                                                                                              | 80                                                                                                              |
| Magnesium, mg                 | 2                       | 11.3                                                                                                            | 11.6                                                                                                            |
| Iron, mg                      | 11.6                    | 2                                                                                                               | 11.3                                                                                                            |
| Zinc, mg                      | 0.24                    | 1.33                                                                                                            | 1.37                                                                                                            |
| Manganese, mcg                | 2.5                     | 10.4                                                                                                            | 10.7                                                                                                            |
| Copper, mcg                   | 15                      | 98                                                                                                              | 101                                                                                                             |
| Sodium, mg                    | 6.8                     | 55                                                                                                              | 57                                                                                                              |
| Potassium, mg                 | 11.3                    | 95                                                                                                              | 98                                                                                                              |
| Chloride, mg                  | 6.9                     | 86                                                                                                              | 88                                                                                                              |

<sup>†</sup> Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL.<sup>1</sup>

## INGREDIENTS

Water, whey protein isolate hydrolysate (milk), medium chain triglycerides (MCT oil), maltodextrin, soy oil, and less than 2%: Mortierella alpina oil<sup>‡</sup>, Schizochytrium sp. oil<sup>§</sup>, calcium citrate, calcium phosphate, potassium citrate, calcium chloride, sodium citrate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, pectin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B<sub>6</sub> hydrochloride, folic acid, vitamin K<sub>1</sub>, biotin, vitamin B<sub>12</sub>, vitamin D<sub>3</sub>.

<sup>‡</sup> A source of arachidonic acid (ARA).

<sup>§</sup> A source of docosahexaenoic acid (DHA).

# POTENTIAL ALLERGENS

Enfamil® Liquid Human Milk Fortifier Standard Protein contains milk and soy.

**CAUTION:** Nutritionally incomplete. To be used only under the supervision of a physician.

# PRODUCT FORMS

| Product                                               | Format | Unit Size                    | Approximate Product Yield at Normal Dilution                                                                                   | Shelf Life | Item Number | Availability  |
|-------------------------------------------------------|--------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|
| Enfamil® Liquid Human Milk Fortifier Standard Protein | Liquid | 5.5 fl oz/ 163 mL per bottle | Approx. 32 doses per bottle based on a 24 kcal/ fl oz or 0.81 kcal/mL formulation of 5 mL of liquid HMF + 25 mL of breast milk | 15 months  | 3279585     | Hospital only |

# PREPARATION OF FEEDINGS

Use as directed by the baby’s doctor. Shake gently before using. Do not shake vigorously to minimize product foaming. Foaming is normal with this product. Remove protective seal around cap, remove cap and foil seal. This product is commercially sterile as produced. Use proper aseptic techniques.<sup>1</sup>

A variety of aseptic preparation methods are available including the use of sterile containers, or sterile transfer lids and sterile, single-use, enteral syringes. When using sterile containers, after opening bottle pour into disposable, sterile container and draw up needed volume into a sterile, single-use, enteral syringe. Dispense into measured breast milk and swirl.

Failure to follow these instructions could result in severe harm. Opened bottles and fortified breast milk can spoil quickly. Either use immediately or replace fortifier bottle cap and store in refrigerator at 35-40°F [2-4°C] for no longer than 48 hours. Gently agitate product before each use. After feeding begins, use fortified breast milk within one hour or discard. After 48 hours of opening, discard any unused product. Do not freeze.

1. Infant and Pediatric Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities. 3rd ed.; 2018.

The baby’s doctor will provide instructions for the desired amount of calories to add.

- **WARNING:** Do not use product that has unusual characteristics.
- **WARNING:** Do not use a microwave oven to warm the fortified breast milk. Serious burns may result.
- **WARNING:** Not for parenteral (I.V.) use. Do not administer directly—must add to breast milk



# Enfamil® Liquid Human Milk Fortifier High Protein

U D M IFANCA

## INDICATION

Enfamil® Liquid Human Milk Fortifier High Protein is added to expressed breast milk for feeding premature and low-birth-weight infants who often need fortified breast milk to meet their increased caloric protein, fat, and other micronutrient needs. Enfamil Liquid Human Milk Fortifier High Protein increases the levels of protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant. It has 4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce concentration/0.81 kcal/mL concentration.\*

\* When mixed as directed at 5 mL HMF + 25 mL preterm human milk.

## NUTRIENTS

| Analysis                 | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Breast Milk (120 mL mixed to 0.81 kcal/mL or 24 Cal/fl oz concentration) <sup>†</sup> | Per 100 Cal Fortified Preterm Breast Milk when mixed to 0.81 kcal/mL or 24 Cal/fl oz concentration <sup>†</sup> |
|--------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Calories, kcal           | 7.5                     | 97                                                                                                              | 100                                                                                                             |
| Protein, g               | 0.56                    | 3.9                                                                                                             | 4                                                                                                               |
| Fat, g                   | 0.58                    | 5.8                                                                                                             | 6                                                                                                               |
| Linoleic acid, mg        | 58                      | 710                                                                                                             | 730                                                                                                             |
| Carbohydrate, g          | 0.11                    | 7.7                                                                                                             | 7.9                                                                                                             |
| Water, g                 | 3.8                     | 104                                                                                                             | 107                                                                                                             |
| Vitamins/Other Nutrients |                         |                                                                                                                 |                                                                                                                 |
| Vitamin A, IU            | 290                     | 1210                                                                                                            | 1240                                                                                                            |
| Vitamin D, IU            | 47                      | 200                                                                                                             | 200                                                                                                             |
| Vitamin E, IU            | 1.4                     | 6                                                                                                               | 6.2                                                                                                             |
| Vitamin K, mcg           | 1.42                    | 7.7                                                                                                             | 7.9                                                                                                             |

<sup>†</sup> Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL.<sup>1</sup>

| Analysis                                  | Per 5 mL Fortifier only | 20 mL Plus 100 mL Preterm Breast Milk (120 mL mixed to 0.81 kcal/mL or 24 Cal/fl oz concentration)* | Per 100 Cal Fortified Preterm Breast Milk when mixed to 0.81 kcal/mL or 24 Cal/fl oz concentration* |
|-------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Thiamin (Vitamin B <sub>1</sub> ), mcg    | 46                      | 193                                                                                                 | 200                                                                                                 |
| Riboflavin (Vitamin B <sub>2</sub> ), mcg | 66                      | 290                                                                                                 | 300                                                                                                 |
| Vitamin B <sub>6</sub> , mcg              | 35                      | 146                                                                                                 | 150                                                                                                 |
| Vitamin B <sub>12</sub> , mcg             | 0.16                    | 0.66                                                                                                | 0.68                                                                                                |
| Niacin, mcg                               | 920                     | 3900                                                                                                | 4000                                                                                                |
| Folic Acid (Folacin), mcg                 | 7.7                     | 34                                                                                                  | 35                                                                                                  |
| Pantothenic Acid, mcg                     | 230                     | 1150                                                                                                | 1190                                                                                                |
| Biotin, mcg                               | 0.84                    | 3.9                                                                                                 | 4.1                                                                                                 |
| Vitamin C (Ascorbic Acid), mg             | 3.8                     | 20                                                                                                  | 20                                                                                                  |
| Minerals                                  |                         |                                                                                                     |                                                                                                     |
| Calcium, mg                               | 29                      | 141                                                                                                 | 145                                                                                                 |
| Phosphorus, mg                            | 15.8                    | 78                                                                                                  | 80                                                                                                  |
| Magnesium, mg                             | 2                       | 11.3                                                                                                | 11.6                                                                                                |
| Iron, mg                                  | 2                       | 11.3                                                                                                | 11.6                                                                                                |
| Zinc, mg                                  | 0.24                    | 1.33                                                                                                | 1.37                                                                                                |
| Manganese, mcg                            | 2.5                     | 10.4                                                                                                | 10.7                                                                                                |
| Copper, mcg                               | 15                      | 98                                                                                                  | 101                                                                                                 |
| Sodium, mg                                | 6.8                     | 55                                                                                                  | 57                                                                                                  |
| Potassium, mg                             | 11.3                    | 95                                                                                                  | 98                                                                                                  |
| Chloride, mg                              | 6.9                     | 86                                                                                                  | 88                                                                                                  |

\* Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL.<sup>1</sup>

## INGREDIENTS

Water, whey protein isolate hydrolysate (milk), medium chain triglycerides (MCT oil), soy oil and less than 2%: Mortierella alpina oil<sup>†</sup>, Schizochytrium Sp oil<sup>†</sup>, pectin, vitamin A palmitate, vitamin E acetate, vitamin D<sub>3</sub>, vitamin K<sub>1</sub>, thiamin hydrochloride, riboflavin, vitamin B<sub>6</sub> hydrochloride, vitamin B<sub>12</sub>, niacinamide,

folic acid, calcium pantothenate, biotin, ascorbic acid, calcium citrate, calcium phosphate, cupric sulfate, sodium citrate, potassium citrate, calcium chloride, ferrous sulfate, magnesium phosphate, zinc sulfate.

† A source of arachidonic acid (ARA).

‡ A source of docosahexaenoic acid (DHA).

## POTENTIAL ALLERGENS

Enfamil® Liquid Human Milk Fortifier High Protein contains milk and soy.

**CAUTION:** Nutritionally incomplete. To be used only under the supervision of a physician.

## PRODUCT FORMS

| Product                                           | Format | Unit Size                    | Approximate Product Yield at Normal Dilution                                                                                  | Shelf Life | Item Number | Availability  |
|---------------------------------------------------|--------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------------|
| Enfamil® Liquid Human Milk Fortifier High Protein | Liquid | 5.5 fl oz/ 163 mL per bottle | Approx. 32 doses per bottle based on a 24 kcal/fl oz or 0.81 kcal/mL formulation of 5 mL of liquid HMF + 25 mL of breast milk | 15 months  | 3279712     | Hospital only |

## PREPARATION OF FEEDINGS

Use as directed by the baby's doctor. Shake gently before using. Do not shake vigorously to minimize product foaming. Foaming is normal with this product. Remove protective seal around cap, remove cap and foil seal. This product is commercially sterile as produced. Use proper aseptic techniques.<sup>1</sup>

A variety of aseptic preparation methods are available including the use of sterile containers, or sterile transfer lids and sterile, single-use, enteral syringes. When using sterile containers, after opening bottle pour into disposable, sterile container and draw up needed volume into a sterile, single-use, enteral syringe. Dispense into measured breast milk and swirl.

Failure to follow these instructions could result in severe harm. Opened bottles and fortified breast milk can spoil quickly. Either use immediately or replace fortifier bottle cap and store in refrigerator at 35-40°F (2-4°C) for no longer than 48 hours. Gently agitate product before each use. After feeding begins, use fortified breast milk within one hour or discard. After 48 hours of opening, discard any unused product. Do not freeze.

1. Infant and Pediatric Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities. 3rd ed.; 2018.

The baby's doctor will provide instructions for the desired amount of calories to add.

- **WARNING:** Do not use product that has unusual characteristics.
- **WARNING:** Do not use a microwave oven to warm the fortified breast milk. Serious burns may result.
- **WARNING:** Not for parenteral (I.V.) use. Do not administer directly—must add to breast milk



# Enfamil A+® Premature High Protein Nursette® Bottle

Cow's milk-based, iron-fortified infant formula specifically designed for premature or low birth weight infants that require a higher level of protein.

U D M IFANCA

## INDICATION

Cow's milk-based, iron-fortified infant formula specifically designed for premature or low birth weight infants that require a higher level of protein. Contains DHA (a type of Omega-3 fat). For institutional use only.

## NUTRIENTS

| Analysis          | per 100 mL | per 100 kcal |
|-------------------|------------|--------------|
| Energy (kcal/kJ)  | 81/340     | 100/420      |
| Protein (g)       | 2.8        | 3.5          |
| % of total energy | 14         | 14           |

Source: Whey protein concentrate, skim milk

|                   |     |      |
|-------------------|-----|------|
| Carbohydrate (g)  | 8.5 | 10.5 |
| % of total energy | 42  | 42   |

Source: Corn syrup solids, lactose

|                   |     |     |
|-------------------|-----|-----|
| Fat (g)           | 4.1 | 5.1 |
| % of total energy | 44  | 44  |

Source: MCT (40%), soy (31%), high oleic sunflower or safflower oils (26.5%), ARA & DHA single cell oil blend (2.5%)

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.66  | 0.81 |
| Linolenic Acid (g) | 0.073 | 0.09 |
| ARA (mg)           | 28    | 34   |
| DHA (mg)           | 13.8  | 17   |

| Minerals        |     |     |
|-----------------|-----|-----|
| Calcium (mg)    | 134 | 165 |
| (mMol)          | 3.3 | 4.1 |
| Phosphorus (mg) | 67  | 83  |
| (mMol)          | 2.2 | 2.7 |



| Analysis                     | per 100 mL | per 100 kcal |
|------------------------------|------------|--------------|
| Magnesium (mg)               | 7.3        | 9            |
| (mMol)                       | 0.3        | 0.37         |
| Iron (mg)                    | 1.46       | 1.8          |
| Zinc (mg)                    | 1.22       | 1.5          |
| Manganese (mg)               | 0.0051     | 0.0063       |
| Copper (mg)                  | 0.097      | 0.12         |
| Iodine (mg)                  | 0.02       | 0.025        |
| Sodium (mg)                  | 47         | 58           |
| (mMol)                       | 2.0        | 2.5          |
| Potassium (mg)               | 80         | 98           |
| (mMol)                       | 2.0        | 2.5          |
| Chloride (mg)                | 73         | 90           |
| (mMol)                       | 2.1        | 2.5          |
| Vitamins                     |            |              |
| Vitamin A (IU)               | 1020       | 1250         |
| Vitamin D (IU)               | 195        | 240          |
| Vitamin E (IU)               | 5.1        | 6.3          |
| Vitamin K (mg)               | 0.0073     | 0.009        |
| Vitamin C (mg)               | 16.2       | 20           |
| Thiamine (mg)                | 0.162      | 0.2          |
| Riboflavin (mg)              | 0.24       | 0.3          |
| Niacin (mg)                  | 3.2        | 4            |
| Pantothenic Acid (mg)        | 0.97       | 1.2          |
| Vitamin B <sub>6</sub> (mg)  | 0.122      | 0.15         |
| Folic Acid (mg)              | 0.032      | 0.04         |
| Vitamin B <sub>12</sub> (mg) | 0.0002     | 0.00025      |
| Biotin (mg)                  | 0.0032     | 0.004        |
| Choline (mg)                 | 16.2       | 20           |
| Inositol (mg)                | 36         | 44           |
| Carnitine (mg)               | 1.95       | 2.4          |
| Taurine (mg)                 | 4.9        | 6            |
| Nucleotides (mg)             | 3.4        | 4.2          |

## Other Characteristics

|                                                        |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 24  |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 300 |
| Osmolarity (mOsm/L)                                    | 260 |
| Water (g/100 mL)                                       | 88  |

Use under medical supervision. See Advisory on the product carton. Do not exceed a protein intake of 4.0-4.5 g/kg/d for infants up to 1000 g (3.6-4.1 g/100 kcal) and 3.5-4.0 g/kg/day for infants from 1000-1800 g (3.2-3.6 g/100 kcal). This product could contain up to 3.85 g of protein/100 Kcal. Not intended for feeding premature infants after they reach a weight of approximately 3600 g, unless directed by a physician.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Water, Modified Milk Ingredients, Corn Syrup Solids, Medium Chain Triglycerides (Fractionated Coconut Oil), Soy Oil, Lactose, High Oleic Vegetable Oil (Sunflower And/Or Safflower Oil), Mono- And Diglycerides, Mortierella Alpina Oil\*, Carrageenan, Cryptocodinium Cohnii Oil†, Soy Lecithin, Maltodextrin, Taurine, Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate), L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Chloride, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Citrate And Zinc Sulfate), **Vitamins** (Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of arachidonic acid (ARA).

† A source of DHA.

## PRODUCT FORMS

| Product                            | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|------------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil A+® Premature High Protein | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1281250     | Hospital only |

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. <b>SHAKE BOTTLE WELL</b> and remove cap.                                       | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze.

After feeding begins, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil A<sup>+</sup>® Premature 20 kcal Nursette® Bottle

Cow's milk-based, iron-fortified infant formula with concentrated levels of protein, vitamins and minerals for premature or low birth weight infants.

UD M IFANCA

## INDICATION

Cow's milk-based, iron-fortified infant formula with concentrated levels of protein, vitamins and minerals for premature or low birth weight infants. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis                                                                                               | per 100 mL | per 100 kcal |
|--------------------------------------------------------------------------------------------------------|------------|--------------|
| Energy (kcal/kJ)                                                                                       | 68/280     | 100/420      |
| Protein (g)                                                                                            | 2          | 3            |
| % of total energy                                                                                      | 12         | 12           |
| Source: Whey protein concentrate, skim milk                                                            |            |              |
| Carbohydrate (g)                                                                                       | 7.4        | 11           |
| % of total energy                                                                                      | 44         | 44           |
| Source: Corn syrup solids, lactose                                                                     |            |              |
| Fat (g)                                                                                                | 3.4        | 5.1          |
| % of total energy                                                                                      | 44         | 44           |
| Source: MCT (40%), soy (31%), high oleic sunflower oil (26.5%), ARA & DHA single cell oil blend (2.5%) |            |              |
| Linoleic Acid (g)                                                                                      | 0.55       | 0.81         |
| Linolenic Acid (g)                                                                                     | 0.061      | 0.09         |
| ARA (mg)                                                                                               | 23         | 34           |
| DHA (mg)                                                                                               | 11.5       | 17           |
| Minerals                                                                                               |            |              |
| Calcium (mg)                                                                                           | 112        | 165          |
| (mMol)                                                                                                 | 2.8        | 4.1          |

| Analysis                     | per 100 mL | per 100 kcal |
|------------------------------|------------|--------------|
| Phosphorus (mg)              | 56         | 83           |
| (mMol)                       | 1.81       | 2.7          |
| Magnesium (mg)               | 6.1        | 9            |
| (mMol)                       | 0.25       | 0.37         |
| Iron (mg)                    | 1.22       | 1.8          |
| Zinc (mg)                    | 1.01       | 1.5          |
| Manganese (mg)               | 0.0043     | 0.0063       |
| Copper (mg)                  | 0.081      | 0.12         |
| Iodine (mg)                  | 0.0169     | 0.025        |
| Sodium (mg)                  | 39         | 58           |
| (mMol)                       | 1.71       | 2.5          |
| Potassium (mg)               | 66         | 98           |
| (mMol)                       | 1.7        | 2.5          |
| Chloride (mg)                | 61         | 90           |
| (mMol)                       | 1.71       | 2.5          |
| Vitamins                     |            |              |
| Vitamin A (IU)               | 850        | 1250         |
| Vitamin D (IU)               | 162        | 240          |
| Vitamin E (IU)               | 4.3        | 6.3          |
| Vitamin K (mg)               | 0.0054     | 0.008        |
| Vitamin C (mg)               | 13.5       | 20           |
| Thiamine (mg)                | 0.135      | 0.2          |
| Riboflavin (mg)              | 0.2        | 0.3          |
| Niacin (mg)                  | 2.7        | 4            |
| Pantothenic Acid (mg)        | 0.81       | 1.2          |
| Vitamin B <sub>6</sub> (mg)  | 0.101      | 0.15         |
| Folic Acid (mg)              | 0.027      | 0.04         |
| Vitamin B <sub>12</sub> (mg) | 0.00017    | 0.00025      |
| Biotin (mg)                  | 0.0027     | 0.004        |
| Choline (mg)                 | 13.5       | 20           |
| Inositol (mg)                | 30         | 44           |
| Carnitine (mg)               | 1.62       | 2.4          |
| Taurine (mg)                 | 4.1        | 6            |
| Nucleotides (mg)             | 2.8        | 4.2          |

| Other Characteristics                                  |      |
|--------------------------------------------------------|------|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 18.4 |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 240  |
| Osmolarity (mOsm/L)                                    | 220  |
| Water (g/100 mL)                                       | 90   |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Water, Corn Syrup Solids, Modified Milk Ingredients, Lactose, Medium Chain Triglycerides (Fractionated Coconut Oil), Soy Oil, High Oleic Vegetable Oil (Sunflower And/Or Safflower Oil), Mono And Diglycerides, Mortierella Alpina Oil\*, Crypthecodinium Cohnii Oil†, Carrageenan, Maltodextrin, Taurine, Nucleotides (Adenosine 5'- Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate), L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Chloride, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Citrate And Zinc Sulfate), **Vitamins** (Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of arachidonic acid (ARA).

† A source of DHA.

## PRODUCT FORMS

| Product                                    | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|--------------------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil A <sup>+</sup> ® Premature 20 kcal | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1250747     | Hospital only |

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. <b>SHAKE BOTTLE WELL</b> and remove cap.                                       | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze.

After feeding begins, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil A<sup>+</sup>® Premature 24 kcal Nursette® Bottle

Cow's milk-based, iron-fortified infant formula with concentrated levels of energy, protein, vitamins and minerals for premature or low birth weight infants.

UD M IFANCA

## INDICATION

Cow's milk-based, iron-fortified infant formula with concentrated levels of energy, protein, vitamins and minerals for premature or low birth weight infants. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis          | per 100 mL | per 100 kcal |
|-------------------|------------|--------------|
| Energy (kcal/kJ)  | 81/340     | 100/420      |
| Protein (g)       | 2.4        | 3            |
| % of total energy | 12         | 12           |

Source: Whey protein concentrate, skim milk

|                   |     |    |
|-------------------|-----|----|
| Carbohydrate (g)  | 8.9 | 11 |
| % of total energy | 44  | 44 |

Source: Corn syrup solids, lactose

|                   |     |     |
|-------------------|-----|-----|
| Fat (g)           | 4.1 | 5.1 |
| % of total energy | 44  | 44  |

Source: MCT (40%), soy (31%), high oleic sunflower or safflower oils (26.5%), ARA & DHA single cell oil blend (2.5%)

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.66  | 0.81 |
| Linolenic Acid (g) | 0.073 | 0.09 |
| ARA (mg)           | 28    | 34   |
| DHA (mg)           | 13.8  | 17   |

|              |     |     |
|--------------|-----|-----|
| Minerals     |     |     |
| Calcium (mg) | 134 | 165 |
| (mMol)       | 3.3 | 4.1 |



| Analysis                     | per 100 mL | per 100 kcal |
|------------------------------|------------|--------------|
| Phosphorus (mg)              | 67         | 83           |
| (mMol)                       | 2.2        | 2.7          |
| Magnesium (mg)               | 7.3        | 9            |
| (mMol)                       | 0.3        | 0.37         |
| Iron (mg)                    | 1.46       | 1.8          |
| Zinc (mg)                    | 1.22       | 1.5          |
| Manganese (mg)               | 0.0051     | 0.0063       |
| Copper (mg)                  | 0.097      | 0.12         |
| Iodine (mg)                  | 0.02       | 0.025        |
| Sodium (mg)                  | 47         | 58           |
| (mMol)                       | 2.0        | 2.5          |
| Potassium (mg)               | 80         | 98           |
| (mMol)                       | 2.0        | 2.5          |
| Chloride (mg)                | 73         | 90           |
| (mMol)                       | 2.1        | 2.5          |
| Vitamins                     |            |              |
| Vitamin A (IU)               | 1010       | 1250         |
| Vitamin D (IU)               | 195        | 240          |
| Vitamin E (IU)               | 5.1        | 6.3          |
| Vitamin K (mg)               | 0.0065     | 0.008        |
| Vitamin C (mg)               | 16.2       | 20           |
| Thiamine (mg)                | 0.162      | 0.2          |
| Riboflavin (mg)              | 0.24       | 0.3          |
| Niacin (mg)                  | 3.2        | 4            |
| Pantothenic Acid (mg)        | 0.97       | 1.2          |
| Vitamin B <sub>6</sub> (mg)  | 0.122      | 0.15         |
| Folic Acid (mg)              | 0.032      | 0.04         |
| Vitamin B <sub>12</sub> (mg) | 0.0002     | 0.00025      |
| Biotin (mg)                  | 0.0032     | 0.004        |
| Choline (mg)                 | 16.2       | 20           |
| Inositol (mg)                | 36         | 44           |
| Carnitine (mg)               | 1.95       | 2.4          |

| Analysis                                               | per 100 mL | per 100 kcal |
|--------------------------------------------------------|------------|--------------|
| Taurine (mg)                                           | 4.9        | 6            |
| Nucleotides (mg)                                       | 3.4        | 4.2          |
| Other Characteristics                                  |            |              |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> |            | 22           |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  |            | 300          |
| Osmolarity (mOsm/L)                                    |            | 260          |
| Water (g/100 mL)                                       |            | 88           |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Water, Corn Syrup Solids, Modified Milk Ingredients, Lactose, Medium Chain Triglycerides (Fractionated Coconut Oil), Soy Oil, High Oleic Vegetable Oil (Sunflower and/or Safflower Oil), Mono and Diglycerides, Mortierella Alpina Oil\*, Cryptocodinium Cohnii Oil†, Carrageenan, Maltodextrin, Taurine, Nucleotides [Adenosine 5'- Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate], L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols (May contain Potassium Hydroxide), Minerals [Calcium Carbonate, Calcium Chloride, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Citrate And Zinc Sulfate], Vitamins [Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> And Vitamin K<sub>1</sub>].

\* A source of arachidonic acid (ARA).

† A source of DHA.

## PRODUCT FORMS

| Product                                    | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|--------------------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil A <sup>+</sup> ® Premature 24 kcal | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1215248     | Hospital only |

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. <b>SHAKE BOTTLE WELL</b> and remove cap.                                       | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze.

After feeding begins, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil A<sup>+</sup>® EnfaCare®

Cow's milk-based, iron fortified post-discharge infant formula for premature or low birth weight infants.

U D M IFANCA

## INDICATION

Cow's milk-based, iron fortified post-discharge infant formula for premature or low birth weight infants. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution) | per 100 g<br>powder | per<br>100 kcal |
|-------------------|---------------------------------|---------------------|-----------------|
| Energy (kcal/kJ)  | 74/310                          | 490/2060            | 100/420         |
| Protein (g)       | 2.1                             | 13.8                | 2.8             |
| % of total energy | 11                              | 11                  | 11              |

Source: Whey protein concentrate, skim milk

|                   |     |    |      |
|-------------------|-----|----|------|
| Carbohydrate (g)  | 7.7 | 51 | 10.4 |
| % of total energy | 42  | 42 | 42   |

Source: Lactose, corn syrup solids

|                   |     |    |     |
|-------------------|-----|----|-----|
| Fat (g)           | 3.9 | 26 | 5.3 |
| % of total energy | 47  | 47 | 47  |

Source: High oleic vegetable (34%), soy (29%), MCT (20%), coconut (14%) oils, ARA and DHA single cell oil blend (3%)

|                   |                                              |     |     |
|-------------------|----------------------------------------------|-----|-----|
| Linoleic Acid (g) | 0.64 (Powder)<br>0.67<br>(Nursette® Bottle)* | 4.2 | 0.9 |
|-------------------|----------------------------------------------|-----|-----|

|                    |                                               |      |      |
|--------------------|-----------------------------------------------|------|------|
| Linolenic Acid (g) | 0.07 (Powder)<br>0.067<br>(Nursette® Bottle)* | 0.47 | 0.09 |
|--------------------|-----------------------------------------------|------|------|

|          |    |     |    |
|----------|----|-----|----|
| ARA (mg) | 25 | 168 | 34 |
|----------|----|-----|----|

|          |      |    |    |
|----------|------|----|----|
| DHA (mg) | 12.6 | 84 | 17 |
|----------|------|----|----|

|          |  |  |  |
|----------|--|--|--|
| Minerals |  |  |  |
|----------|--|--|--|

|                           |      |     |     |
|---------------------------|------|-----|-----|
| Calcium (mg)              | 89   | 590 | 120 |
| (mMol - Nursette® Bottle) | 2.2* | -   | 3.0 |

\* Per 100 mL undiluted liquid.

| Analysis                  | per 100 mL<br>(normal dilution)              | per 100 g<br>powder | per<br>100 kcal                        |
|---------------------------|----------------------------------------------|---------------------|----------------------------------------|
| Phosphorus (mg)           | 49                                           | 330                 | 66                                     |
| (mMol - Nursette® Bottle) | 1.58*                                        | -                   | 2.1                                    |
| Magnesium (mg)            | 5.9                                          | 39                  | 8                                      |
| (mMol - Nursette® Bottle) | 0.24*                                        | -                   | 0.33                                   |
| Iron (mg)                 | 1.33                                         | 8.9                 | 1.8                                    |
| Zinc (mg)                 | 0.74                                         | 4.9                 | 1                                      |
| Manganese (mg)            | 0.0111                                       | 0.074               | 0.015                                  |
| Copper (mg)               | 0.089                                        | 0.59                | 0.12                                   |
| Iodine (mg)               | 0.0155                                       | 0.104               | 0.021                                  |
| Selenium (mg)             | 0.0021                                       | 0.0138              | 0.0028                                 |
| Sodium (mg)               | 27 (Powder)<br>26<br>(Nursette® Bottle)*     | 182                 | 35                                     |
| (mMol - Nursette® Bottle) | 1.13*                                        | -                   | 1.52                                   |
| Potassium (mg)            | 78                                           | 520                 | 105                                    |
| (mMol - Nursette® Bottle) | 2.0*                                         | -                   | 2.7                                    |
| Chloride (mg)             | 58                                           | 380                 | 78                                     |
| (mMol - Nursette® Bottle) | 1.63*                                        | -                   | 2.2                                    |
| Vitamins                  |                                              |                     |                                        |
| Vitamin A (IU)            | 330                                          | 2200                | 450                                    |
| Vitamin D (IU)            | 52                                           | 350                 | 70                                     |
| Vitamin E (IU)            | 3                                            | 20                  | 4                                      |
| Vitamin K (mg)            | 0.0059                                       | 0.039               | 0.008                                  |
| Vitamin C (mg)            | 11.8                                         | 79                  | 16                                     |
| Thiamine (mg)             | 0.148                                        | 0.99                | 0.2                                    |
| Riboflavin (mg)           | 0.148                                        | 0.99                | 0.2                                    |
| Niacin (mg)               | 0.74 (Powder)<br>1.48<br>(Nursette® Bottle)* | 4.9                 | 1 (Powder)<br>2 (Nursette®<br>Bottle)* |
| Pantothenic Acid (mg)     | 0.63                                         | 4.2                 | 0.85                                   |

\* Per 100 mL undiluted liquid.

| Analysis                     | per 100 mL<br>(normal dilution)                  | per 100 g<br>powder | per<br>100 kcal                                      |
|------------------------------|--------------------------------------------------|---------------------|------------------------------------------------------|
| Vitamin B <sub>6</sub> (mg)  | 0.044 (Powder)<br>0.074<br>(Nursette® Bottle)*   | 0.3                 | 0.06<br>(Powder)<br>0.1<br>(Nursette®<br>Bottle)*    |
| Folic Acid (mg)              | 0.0192                                           | 0.128               | 0.026                                                |
| Vitamin B <sub>12</sub> (mg) | 0.00022                                          | 0.00148             | 0.0003                                               |
| Biotin (mg)                  | 0.0037 (Powder)<br>0.0044<br>(Nursette® Bottle)* | 0.025               | 0.005<br>(Powder)<br>0.006<br>(Nursette®<br>Bottle)* |
| Choline (mg)                 | 17.8                                             | 118                 | 24                                                   |
| Inositol (mg)                | 22                                               | 148                 | 30                                                   |
| Carnitine (mg)               | 1.48                                             | 9.9                 | 2                                                    |
| Taurine (mg)                 | 4.4                                              | 30                  | 6                                                    |
| Nucleotides (mg)             | 3.1                                              | 21                  | 4.2                                                  |

#### Other Characteristics

|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 18.4 (Powder)<br>18.3 (Nursette® Bottle) |
| Osmolality (mOsm/kg H <sub>2</sub> O)        | 310 (Powder)<br>250 (Nursette® Bottle)   |
| Osmolarity (mOsm/L)                          | 280 (Powder)<br>220 (Nursette® Bottle)   |
| Water (g/100 mL)                             | 89                                       |

\* Per 100 mL undiluted liquid.

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999; 134:11-14.

2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### POWDER

Modified Milk Ingredients, Corn Syrup Solids, Lactose, High Oleic Vegetable Oil (Sunflower and/or Safflower), Soy Oil, Medium Chain Triglycerides (Fractionated Coconut Oil), Coconut Oil, Mortierella Alpina Oil\*, Cryptocodium Cohnii Oil†, Maltodextrin, Taurine, Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'- Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'- Monophosphate), L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Manganese Sulfate, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of arachidonic acid (ARA).

† A source of DHA.

### 59 mL NURSETTE® BOTTLE

Water, Maltodextrin, Modified Milk Ingredients, Lactose, High Oleic Vegetable Oil (Sunflower and/or Safflower Oil), Soy Oil, Medium Chain Triglycerides (Fractionated Coconut Oil), Coconut Oil, Mono- and Diglycerides, Mortierella Alpina Oil\*, Soy Lecithin, Cryptocodium Cohnii Oil†, Carrageenan, Corn Syrup Solids, Taurine, Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate), L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Chloride, Calcium Citrate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Manganese Sulfate, Potassium Citrate, Potassium Iodide, Sodium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of arachidonic acid (ARA).

† A source of DHA.

## PRODUCT FORMS

| Product                 | Format              | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life   | Item Number | Availability                       |
|-------------------------|---------------------|-----------|----------------------------------------------|--------------|-------------|------------------------------------|
| Enfamil A+®<br>Enfacare | Powder              | 363 g     | 2400 mL<br>(13.5 bottles<br>x 6 fl oz)       | 18<br>Months | 1171320     | Hospital +<br>Retail               |
| Enfamil A+®<br>Enfacare | Nursette®<br>Bottle | 59 mL     | 59 mL<br>(2 fl oz)                           | 12<br>Months | 1215387     | Hospital +<br>Enfamil.ca<br>(only) |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use, and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.



1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).



2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.



3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and **SHAKE WELL**.



Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make       | Boiled Water     | Powder                         |
|---------------|------------------|--------------------------------|
| 60 mL bottle  | 60 mL (1/4 cup)  | 1 unpacked level <b>scoop</b>  |
| 120 mL bottle | 120 mL (1/2 cup) | 2 unpacked level <b>scoops</b> |
| 180 mL bottle | 180 mL (3/4 cup) | 3 unpacked level <b>scoops</b> |
| 240 mL bottle | 240 mL (1 cup)   | 4 unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store powder at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

**NURSETTE® BOTTLES**

**Your baby’s health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby’s doctor. **Inspect** each bottle for signs of damage.

|                                                                                    |                                                                                    |                                                                                                                                             |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                           |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding.  | 2. <b>SHAKE BOTTLE WELL</b> and remove cap.                                        | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby’s doctor about the need to boil a clean nipple in water before use. |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CAN, CARTON, AND/OR BOTTLE**



# Infant Products



Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).



# Enfamil A+® NeuroPro™ Infant

U D M IFANCA

## INDICATION

Enfamil A+® NeuroPro™ Infant is a milk-based infant formula designed for term infants (0-12 months) with an expert-recommended level of DHA,\*† our exclusive blend‡ including 2'-FL for immune support, and naturally occurring MFGM components.§

\* World Health Organization recommended amount of DHA is 0.2%-0.36% of total fatty acids. Enfamil® has 0.32% of total fatty acids as DHA, similar to the average amount found in world-wide mature breast milk.

† DHA supports normal physical brain development.

‡ HuMO6 Blend™ of Polydextrose, GOS, 2'-FL, Vit C & E and Selenium.

§ From whey protein concentrate.

Enfamil A+® NeuroPro™ Infant is available through Health Canada's Interim Policy on the importation and sale of infant formulas.

## PRODUCT FORMATS AND FORMS:

| Item Number | Product Description                                                 | Availability      | Format           | Approximate Product Yield at Normal Dilution |
|-------------|---------------------------------------------------------------------|-------------------|------------------|----------------------------------------------|
| 3290179     | Enfamil A+® NeuroPro™ Infant Hospital Nursette® 59 ML (8X6 BTL) CA  | Hospital Only     | Liquid, Nursette | 59 mL (2 fl oz)                              |
| 3276799     | Enfamil A+® NeuroPro™ Infant Powder 587 G (6 BIT) CA                | Hospital & Retail | Powder           | 4381 mL (18 bottles x 8 fl oz)               |
| 3285831     | Enfamil A+® NeuroPro™ Infant Ready to Use (RTU) 237 ML (4X6 BTL) CA | Hospital & Retail | Liquid, RTF      | 237 mL (1 bottle x 8 fl oz)                  |
| 3285832     | Enfamil A+® NeuroPro™ Infant Ready to Use (RTU) 237 ML (18 BTL) CA  | Hospital & Retail | Liquid, RTF      | 237 mL (1 bottle x 8 fl oz)                  |

## NUTRIENTS

| Nutrients (Normal Dilution)              | Per 100 mL  | Per 100 g Powder |
|------------------------------------------|-------------|------------------|
| Calories                                 | 68          | 510              |
| Protein, g                               | 1.4         | 11               |
| Fat, g                                   | 3.6         | 27               |
| Carbohydrate, g                          | 7.6         | 57               |
| Water, g                                 | 90          | 2.4              |
| Linoleic Acid, g                         | 0.5         | 3.9              |
| Linolenic Acid, g                        | 0.05        | 0.4              |
| Arachidonic Acid, mg                     | 17          | 126              |
| Docosahexaenoic Acid, mg                 | 12 (11 RTF) | 86               |
| Vitamin A, IU                            | 203         | 1515             |
| Vitamin D, IU                            | 47          | 354              |
| Vitamin E, IU                            | 1.4         | 10               |
| Vitamin K, mg                            | 0.0061      | 0.045            |
| Thiamin (Vitamin B <sub>1</sub> ), mg    | 0.054       | 0.4              |
| Riboflavin (Vitamin B <sub>2</sub> ), mg | 0.095       | 0.71             |
| Vitamin B <sub>6</sub> , mg              | 0.041       | 0.3              |
| Vitamin B <sub>12</sub> , mg             | 0.0002      | 0.0015           |
| Niacin, mg                               | 0.68        | 5.1              |
| Folic Acid (Folacin), mg                 | 0.011       | 0.081            |
| Pantothenic Acid, mg                     | 0.34        | 2.5              |
| Biotin, mg                               | 0.002       | 0.015            |
| Vitamin C (Ascorbic acid), mg            | 8.1         | 61               |
| Choline, mg                              | 16          | 121              |
| Inositol, mg                             | 16          | 121              |
| L-Carnitine, mg (not declared on label)  | 1.4         | 10               |
| Taurine, mg (not declared on label)      | 4.1         | 30               |

| Nutrients (Normal Dilution) | Per 100 mL | Per 100 g Powder |
|-----------------------------|------------|------------------|
| Calcium, mg                 | 53         | 394              |
| Phosphorus, mg              | 29         | 217              |
| Magnesium, mg               | 5.4        | 40               |
| Iron, mg                    | 1.2        | 9.1              |
| Zinc, mg                    | 0.68       | 5.1              |
| Manganese, mg               | 0.0101     | 0.076            |
| Copper, mg                  | 0.051      | 0.38             |
| Iodine, mg                  | 0.0101     | 0.076            |
| Selenium, mg                | 0.0019     | 0.014            |
| Sodium, mg (mEq)            | 18 (0.79)  | 136 (5.9)        |
| Potassium, mg (mEq)         | 73 (1.87)  | 545 (13.9)       |
| Chloride, mg (mEq)          | 43 (1.2)   | 318 (9)          |

Source of Protein: nonfat milk and whey protein concentrate

Source of Fat: Palm olein, soy, coconut, high oleic sunflower oils, and single cell oil blend of DHA and ARA

Source of Carbohydrate: Lactose, GOS, PDX

Product nutrient values and ingredients are subject to change. Please see product label for current information.

## NUTRIENT FACTS

| Nutrient Density                                                   | Powered Prepared at<br>Standard Dilution of<br>0.68 kcal/mL<br>(20 Calories/fl oz) | RTF Prepared at<br>Standard Dilution of 0.68<br>kcal/mL<br>(20 Calories/fl oz) |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Protein (% Calories)                                               | 8.5                                                                                | 8.5                                                                            |
| Whey: Casein Ratio                                                 | 65:35                                                                              | 65:35                                                                          |
| Fat (% Calories)                                                   | 48                                                                                 | 48                                                                             |
| Carbohydrate<br>(% Calories)                                       | 43.5                                                                               | 43.5                                                                           |
| Potential Renal Solute<br>Load (mOsm/100<br>Calories) <sup>1</sup> | 19.1                                                                               | 19.1                                                                           |
| Potential Renal Solute<br>Load (mOsm/100 mL) <sup>1</sup>          | 12.8                                                                               | 12.8                                                                           |

| Nutrient Density           | Powered Prepared at<br>Standard Dilution of<br>0.68 kcal/mL<br>(20 Calories/fl oz) | RTF Prepared at<br>Standard Dilution of 0.68<br>kcal/mL<br>(20 Calories/fl oz) |
|----------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Osmolality (mOsm/kg water) | 300                                                                                | 300                                                                            |
| Osmolarity (mOsm/L)        | 270                                                                                | 270                                                                            |
| Lactose-free               | No                                                                                 | No                                                                             |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

## INGREDIENTS

### ENFAMIL A+® NEUROPRO™ INFANT POWDER:

Lactose, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Modified milk ingredients\*, Galactooligosaccharide solids (GOS), Polydextrose, Soy lecithin, Mortierella alpina oil†, Corn syrup solids, Schizochytrium sp. oil‡, 2'-fucosyllactose, Taurine, L-carnitine, Mixed tocopherols, Ascorbyl palmitate, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium oxide, manganese sulfate, potassium chloride, potassium citrate, potassium iodide, sodium chloride, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium Dpantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

### ENFAMIL A+® NEUROPRO™ INFANT READY TO USE (NURSETTE® BOTTLES AND RTU BOTTLES):

Water, Lactose, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Modified milk ingredients\*, Polydextrose, Galactooligosaccharide solids (GOS), Mono- and diglycerides, Mortierella alpina oil†, Soy lecithin, Carrageenan, 2'-fucosyllactose, Schizochytrium sp. oil‡, Corn syrup solids, Taurine, L-carnitine, Mixed tocopherols, Ascorbyl palmitate, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium chloride, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium phosphate, manganese sulfate, potassium citrate, potassium iodide, sodium chloride, sodium citrate, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium Dpantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, sodium ascorbate, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

## POTENTIAL ALLERGENS

Enfamil A+® NeuroPro™ Infant contains milk and soy.

\* A source of MFGM (Milk Fat Globule Membrane composed of proteins and fats) components.

† A source of ARA.

‡ A source of DHA.

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use, and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.

|                                                                                                                                                                      |                                                                                                       |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                     |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b>.</p> |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in container to measure powder. Store **DRY** scoop in this tub.

| To Make       | Boiled Water     | Powder                         |
|---------------|------------------|--------------------------------|
| 60 mL bottle  | 60 mL (1/4 cup)  | 1 unpacked level <b>scoop</b>  |
| 120 mL bottle | 120 mL (1/2 cup) | 2 unpacked level <b>scoops</b> |
| 180 mL bottle | 180 mL (3/4 cup) | 3 unpacked level <b>scoops</b> |
| 240 mL bottle | 240 mL (1 cup)   | 4 unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store powder at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.



## NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. <b>SHAKE BOTTLE WELL</b> and remove cap.                                       | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON TUB, CARTON, AND/OR BOTTLE**

**READY TO FEED**

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                                  |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |                 |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b>, remove protective seal around cap, remove cap and foil seal.</p> | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.



# Enfamil A<sup>+</sup>® Hypercaloric Nursette® Bottle

**Cow's milk-based, iron fortified hypercaloric infant formula for infants with high energy needs or requiring fluid restriction.**

UDM IFANCA

## INDICATION

Cow's milk-based, iron fortified hypercaloric infant formula for infants with high energy needs or requiring fluid restriction. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis                                                                                                                          | per 100 mL |
|-----------------------------------------------------------------------------------------------------------------------------------|------------|
| Energy (kcal/kJ)                                                                                                                  | 81/340     |
| Protein (g)                                                                                                                       | 1.7        |
| % of total energy                                                                                                                 | 8.5        |
| Source: Whey protein concentrate, nonfat milk                                                                                     |            |
| Carbohydrate (g)                                                                                                                  | 8.9        |
| % of total energy                                                                                                                 | 43.5       |
| Source: Lactose                                                                                                                   |            |
| Fat (g)                                                                                                                           | 4.3        |
| % of total energy                                                                                                                 | 48         |
| Source: Palm olein (44%), soy (19.5%), coconut (19.5%), high oleic sunflower (14.5%) oils, ARA & DHA single cell oil blend (2.5%) |            |
| Linoleic Acid (g)                                                                                                                 | 0.7        |
| Linolenic Acid (g)                                                                                                                | 0.06       |
| ARA (mg)                                                                                                                          | 28         |
| DHA (mg)                                                                                                                          | 14         |
| Minerals                                                                                                                          |            |
| Calcium (mg)                                                                                                                      | 64         |
| (mMol)                                                                                                                            | 1.58       |
| Phosphorus (mg)                                                                                                                   | 35         |
| (mMol)                                                                                                                            | 1.13       |

| Analysis                     | per 100 mL |
|------------------------------|------------|
| Magnesium (mg)               | 6.5        |
| (mMol)                       | 0.27       |
| Iron (mg)                    | 1.47       |
| Zinc (mg)                    | 0.81       |
| Manganese (mg)               | 0.0122     |
| Copper (mg)                  | 0.061      |
| Iodine (mg)                  | 0.0122     |
| Selenium (mg)                | 0.0023     |
| Sodium (mg)                  | 22         |
| (mMol)                       | 0.95       |
| Potassium (mg)               | 88         |
| (mMol)                       | 2.2        |
| Chloride (mg)                | 51         |
| (mMol)                       | 1.44       |
| Vitamins                     |            |
| Vitamin A (IU)               | 240        |
| Vitamin D (IU)               | 49         |
| Vitamin E (IU)               | 1.63       |
| Vitamin K (mg)               | 0.0073     |
| Vitamin C (mg)               | 9.8        |
| Thiamine (mg)                | 0.065      |
| Riboflavin (mg)              | 0.114      |
| Niacin (mg)                  | 0.81       |
| Pantothenic Acid (mg)        | 0.41       |
| Vitamin B <sub>6</sub> (mg)  | 0.049      |
| Folic Acid (mg)              | 0.013      |
| Vitamin B <sub>12</sub> (mg) | 0.00024    |
| Biotin (mg)                  | 0.0024     |
| Choline (mg)                 | 20         |
| Inositol (mg)                | 4.9        |
| Carnitine (mg)               | 1.63       |
| Taurine (mg)                 | 4.9        |
| Nucleotides (mg)             | 3.4        |

| Other Characteristics                                  |      |
|--------------------------------------------------------|------|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 15.4 |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 360  |
| Osmolarity (mOsm/L)                                    | 320  |
| Water (g/100 mL)                                       | 88   |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.  
Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Water, Lactose, Modified Milk Ingredients, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Mono- And Diglycerides, Soy Lecithin, Mortierella Alpina Oil\*, Carrageenan, Cryptocodinium Cohnii Oil†, Taurine, Maltodextrin, Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate), Corn Syrup Solids, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Chloride, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of arachidonic acid (ARA).

† A source of DHA.

## PRODUCT FORMS

| Product                               | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|---------------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil A <sup>+</sup> ® Hypercaloric | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1210915     | Hospital only |

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                   |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |  |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b> and remove cap.</p>                                | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil®

Cow's milk-based, iron fortified, routine starter formula for healthy term infants.



## INDICATION

Cow's milk-based, iron fortified, routine starter formula for healthy term infants.

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|-------------------|---------------------------------|---------------------|
| Energy (kcal/kJ)  | 68/280                          | 510/2130            |
| Protein (g)       | 1.42                            | 10.8                |
| % of total energy | 8.5                             | 8.5                 |

Source: Nonfat milk, whey protein concentrate

|                   |      |      |
|-------------------|------|------|
| Carbohydrate (g)  | 7.4  | 56   |
| % of total energy | 43.5 | 43.5 |

Source: Lactose

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 3.6 | 27 |
| % of total energy | 48  | 48 |

Source: Palm olein (45%), soy (20%), coconut (20%), high oleic sunflower (15%) oils

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.58  | 4.4  |
| Linolenic Acid (g) | 0.054 | 0.41 |

### Minerals

|                 |        |       |
|-----------------|--------|-------|
| Calcium (mg)    | 53     | 400   |
| Phosphorus (mg) | 29     | 220   |
| Magnesium (mg)  | 5.4    | 41    |
| Iron (mg)       | 1.22   | 9.2   |
| Zinc (mg)       | 0.68   | 5.1   |
| Manganese (mg)  | 0.0101 | 0.077 |
| Copper (mg)     | 0.051  | 0.38  |

| Analysis                                               | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|--------------------------------------------------------|---------------------------------|---------------------|
| Iodine (mg)                                            | 0.0101                          | 0.077               |
| Selenium (mg)                                          | 0.00189                         | 0.0143              |
| Sodium (mg)                                            | 18.3                            | 138                 |
| Potassium (mg)                                         | 73                              | 550                 |
| Chloride (mg)                                          | 43                              | 320                 |
| Vitamins                                               |                                 |                     |
| Vitamin A (IU)                                         | 200                             | 1540                |
| Vitamin D (IU)                                         | 41                              | 310                 |
| Vitamin E (IU)                                         | 1.35                            | 10.2                |
| Vitamin K (mg)                                         | 0.0061                          | 0.046               |
| Vitamin C (mg)                                         | 8.1                             | 61                  |
| Thiamine (mg)                                          | 0.054                           | 0.41                |
| Riboflavin (mg)                                        | 0.095                           | 0.72                |
| Niacin (mg)                                            | 0.68                            | 5.1                 |
| Pantothenic Acid (mg)                                  | 0.34                            | 2.6                 |
| Vitamin B <sub>6</sub> (mg)                            | 0.041                           | 0.31                |
| Folic Acid (mg)                                        | 0.0108                          | 0.082               |
| Vitamin B <sub>12</sub> (mg)                           | 0.0002                          | 0.00154             |
| Biotin (mg)                                            | 0.002                           | 0.0154              |
| Choline (mg)                                           | 16.2                            | 123                 |
| Inositol (mg)                                          | 4.1                             | 31                  |
| Carnitine (mg)                                         | 1.35                            | 10.2                |
| Taurine (mg)                                           | 4.1                             | 31                  |
| Nucleotides (mg)                                       | 2.8                             | 22                  |
| Other Characteristics                                  |                                 |                     |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> |                                 | 12.9                |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  |                                 | 300                 |
| Osmolarity (mOsm/L)                                    |                                 | 270                 |
| Water (g/100 mL)                                       |                                 | 90                  |



Powdered formulas are not sterile. “To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use.”<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

INGREDIENTS

Lactose, Modified Milk Ingredients, Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Soy Lecithin, Corn Syrup Solids, Maltodextrin, Taurine, Nucleotides (Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate), L-Carnitine, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Cupric Sulfate, Ferrous Sulfate, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

PRODUCT FORMS

| Product  | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability |
|----------|--------|-----------|----------------------------------------------|------------|-------------|--------------|
| Enfamil® | Powder | 900 g     | 6900 mL (29 bottles x 8 fl oz)               | 36 Months  | 1274015     | Retail only  |

PREPARATION OF FEEDINGS

**Your baby’s health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby’s doctor. Ask your baby’s doctor which formula is appropriate for your baby.

|                                                                                                                                                                      |                                                                                                       |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                     |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b>.</p> |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make              | Boiled Water            | Powder                                |
|----------------------|-------------------------|---------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> unpacked level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> unpacked level <b>scoops</b> |
| <b>180 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> unpacked level <b>scoops</b> |
| <b>240 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store cans at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**



# Enfamil A+® NeuroPro™ Gentlease®

U D M IFANCA

## INDICATION

Enfamil A+® NeuroPro™ Gentlease® is a milk-based formula designed to reduce fussiness, crying, and gas in 24 hours.<sup>1</sup> With easy-to-digest partially hydrolyzed proteins,\* it also contains an expert-recommended level of brain-building DHA,<sup>††</sup> naturally occurring MFGM components,<sup>§</sup> and our exclusive fibre blend<sup>#</sup> shown to promote soft stools.<sup>‡2</sup> The partially hydrolyzed formula of Enfamil A+® NeuroPro™ Gentlease® has lower lactose levels (1/5th) as compared to routine milk-based formula.

\* Similar to all infant formulas.

† DHA supports normal physical brain development.

†† World Health Organization recommended amount of DHA is 0.2%-0.36% of total fatty acids. Enfamil® has 0.32% of total fatty acids as DHA, similar to the average amount found in world-wide mature breast milk.

§ From whey protein concentrate.

# Blend of GOS, Polydextrose in powder format only.

‡ Compared to Enfamil® without fibre blend.

1. Berseth et al. study, 2009.

2. Ziegler et al. study, 2007.

## PRODUCT LONG TERM USAGE

Enfamil A+® NeuroPro™ Gentlease® is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

## NUTRIENTS

| Nutrients (Normal Dilution) | Per 100 mL | Per 100 g Powder |
|-----------------------------|------------|------------------|
| Protein, g                  | 1.6        | 12               |
| Fat, g                      | 3.6        | 27               |
| Carbohydrate, g             | 7.3        | 57               |
| Calories                    | 68         | 510              |
| Water, g                    | 90         | 2.1              |
| Linoleic Acid, g            | 0.5        | 4                |
| Linolenic Acid, g           | 0.05       | 0.4              |
| Arachidonic Acid, mg        | 17         | 128              |

| Nutrients (Normal Dilution)              | Per 100 mL    | Per 100 g Powder |
|------------------------------------------|---------------|------------------|
| Docosahexaenoic Acid, mg                 | 11            | 87               |
| Vitamin A, IU                            | 203 (202 RTF) | 1530             |
| Vitamin D, IU                            | 47 (44 RTF)   | 357              |
| Vitamin E, IU                            | 1.4           | 10               |
| Vitamin K, mg                            | 0.0061        | 0.046            |
| Thiamin (Vitamin B <sub>1</sub> ), mg    | 0.054         | 0.41             |
| Riboflavin (Vitamin B <sub>2</sub> ), mg | 0.095         | 0.71             |
| Vitamin B <sub>6</sub> , mg              | 0.041         | 0.31             |
| Vitamin B <sub>12</sub> , mg             | 0.0002        | 0.0015           |
| Niacin, mg                               | 0.68          | 5.1              |
| Folic Acid (folacin), mg                 | 0.011         | 0.082            |
| Pantothenic Acid, mg                     | 0.34          | 2.6              |
| Biotin, mg                               | 0.002         | 0.015            |
| Vitamin C (Ascorbic Acid), mg            | 8.1           | 61               |
| Choline, mg                              | 16            | 122              |
| Inositol, mg                             | 16            | 122              |
| L-Carnitine, mg                          | 1.4           | 10               |
| Taurine, mg                              | 4.1           | 31               |
| Calcium, mg                              | 55            | 418              |
| Phosphorus, mg                           | 31            | 235              |
| Magnesium, mg                            | 5.4           | 41               |
| Iron, mg                                 | 1.2           | 9.2              |
| Zinc, mg                                 | 0.68          | 5.1              |
| Manganese, mg                            | 0.0101        | 0.077            |
| Copper, mg                               | 0.051         | 0.38             |
| Iodine, mg                               | 0.0101        | 0.077            |
| Selenium, mg                             | 0.0019        | 0.014            |

| Nutrients (Normal Dilution) | Per 100 mL | Per 100 g Powder |
|-----------------------------|------------|------------------|
| Sodium, mg                  | 27         | 204              |
| Potassium, mg               | 73         | 551              |
| Chloride, mg                | 43         | 321              |

Source of Protein: Partially hydrolyzed nonfat milk and whey protein concentrate

Source of Fat: Palm olein, soy, coconut, high oleic sunflower oils, and single cell oil blend of DHA and ARA

Source of Carbohydrate: Powder - Corn syrup solids, lactose; RTU - Corn syrup solids, lactose, rice starch

Product nutrient values and ingredients are subject to change. Please see product label for current information.

## NUTRIENT FACTS

| Nutrient Density                                             | Powered Prepared at Standard Dilution of 0.68 kcal/mL (20 Calories/fl oz) |
|--------------------------------------------------------------|---------------------------------------------------------------------------|
| Protein (% Calories)                                         | 9                                                                         |
| Fat (% Calories)                                             | 48                                                                        |
| Carbohydrate (% Calories)                                    | 43                                                                        |
| Potential Renal Solute Load (mOsm/100 Calories) <sup>1</sup> | 21                                                                        |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>       | 14.4                                                                      |
| Osmolality (mOsm/kg water)                                   | 200                                                                       |
| Osmolarity (mOsm/L)                                          | 180                                                                       |
| Lactose-free                                                 | No                                                                        |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

## INGREDIENTS

### ENFAMIL A+® NEUROPRO™ GENTLELEASE® POWDER:

Corn syrup solids, Partially hydrolyzed modified milk ingredients (soy)\*, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Galactooligosaccharide solids (GOS), Polydextrose, Soy lecithin, Lactose, Mortierella alpina oil<sup>†</sup>, Schizochytrium sp. oil<sup>‡</sup>, 2'- fucosyllactose, Taurine, L-carnitine, Mixed tocopherols, Ascorbyl palmitate, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium phosphate, manganese sulfate, potassium chloride, potassium iodide, sodium citrate, sodium hydroxide, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, choline

chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

#### ENFAMIL A<sup>+</sup>® NEUROPRO™ GENTLEASE® LIQUID (RTF) :

Water, Corn syrup solids, Partially hydrolyzed modified milk ingredients (soy)\*, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Rice starch, Acetylated tartaric acid esters of mono- and diglycerides, Mortierella alpina oil†, 2'-fucosyllactose, Schizochytrium sp. oil‡, Soy Lecithin, Taurine, L-carnitine, Lactose, Mixed tocopherols, Ascorbyl palmitate, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium phosphate, manganese sulfate, potassium chloride, potassium citrate, potassium iodide, sodium chloride, sodium citrate, sodium hydroxide, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

Potential Allergens: Enfamil A<sup>+</sup>® NeuroPro™ Gentlease® contains milk and soy.

\* A source of MFGM (Milk Fat Globule Membrane composed of proteins and fats) components.

† A source of ARA.

‡ A source of DHA.

## PRODUCT FORMS

| Item    | Description                                                                           | Availability      | Format      | Approximate Product Yield at Normal Dilution |
|---------|---------------------------------------------------------------------------------------|-------------------|-------------|----------------------------------------------|
| 3286052 | Enfamil A <sup>+</sup> ® NeuroPro™ Gentlease® Powder 553 G (4 BIT) CA                 | Hospital & Retail | Powder      | Not available as NeuroPro™ formulation yet   |
| 3276297 | Enfamil A <sup>+</sup> ® NeuroPro™ Gentlease® Ready to Feed (RTF) 237 ML (4X6 BTL) CA | Hospital & Retail | Liquid, RTF | 237 mL                                       |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use, and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.

|                                                                                                                                                               |                                                                                                |                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|                                                                              |               |                           |
| 1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil). | 2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing. | 3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b> . |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in container to measure powder. Store **DRY** scoop in this tub.

| To Make              | Boiled Water            | Powder                                |
|----------------------|-------------------------|---------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> unpacked level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> unpacked level <b>scoops</b> |
| <b>180 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> unpacked level <b>scoops</b> |
| <b>240 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store powder at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

## NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                   |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |  |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b> and remove cap.</p>                                | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON TUB, CARTON AND/OR BOTTLE**



**READY TO FEED**

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                           |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |          |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. <b>SHAKE BOTTLE WELL, remove protective seal around cap, remove cap and foil seal.</b> | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.



# Enfamil A<sup>+</sup>® For feeding babies who frequently Spit Up\*

Cow's milk-based, iron fortified infant formula with added rice starch for infants who spit up frequently or who otherwise need a thickened formula.

\* For babies who spit up more than 4 times per day.



## INDICATION

Cow's milk-based, iron fortified infant formula with added rice starch for infants who spit up frequently or who otherwise need a thickened formula. Contains two dietary fibres (galactooligosaccharides and polydextrose) and DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution) | per 100 g |
|-------------------|---------------------------------|-----------|
| Energy (kcal/kJ)  | 68/280                          | 500/2090  |
| Protein (g)       | 1.7                             | 12        |
| % of total energy | 10                              | 10        |

Source: Nonfat milk

|                             |     |     |
|-----------------------------|-----|-----|
| Carbohydrate (g)            | 7.6 | 56  |
| % of total energy           | 44  | 44  |
| Galactooligosaccharides (g) | 0.2 | 1.5 |
| Polydextrose (g)            | 0.2 | 1.5 |

Source: Lactose, rice starch, maltodextrin, galactooligosaccharides, polydextrose

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 3.4 | 25 |
| % of total energy | 46  | 46 |

Source: Palm olein (44%), soy (19.5%), coconut (19.5%), high oleic sunflower (14.5%) oils, ARA & DHA single cell oil blend (2.5%)

|                    |      |      |
|--------------------|------|------|
| Linoleic Acid (g)  | 0.5  | 3.9  |
| Linolenic Acid (g) | 0.05 | 0.35 |
| ARA (mg)           | 23   | 169  |
| DHA (mg)           | 11   | 85   |

| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g |
|------------------------------|---------------------------------|-----------|
| Minerals                     |                                 |           |
| Calcium (mg)                 | 53                              | 390       |
| Phosphorus (mg)              | 36                              | 260       |
| Magnesium (mg)               | 5.4                             | 40        |
| Iron (mg)                    | 1.22                            | 9         |
| Zinc (mg)                    | 0.68                            | 5         |
| Manganese (mg)               | 0.0101                          | 0.075     |
| Copper (mg)                  | 0.051                           | 0.37      |
| Iodine (mg)                  | 0.0101                          | 0.075     |
| Selenium (mg)                | 0.00189                         | 0.0139    |
| Sodium (mg)                  | 27                              | 200       |
| Potassium (mg)               | 73                              | 540       |
| Chloride (mg)                | 51                              | 370       |
| Vitamins                     |                                 |           |
| Vitamin A (IU)               | 200                             | 1490      |
| Vitamin D (IU)               | 41                              | 300       |
| Vitamin E (IU)               | 1.35                            | 9.9       |
| Vitamin K (mg)               | 0.0061                          | 0.045     |
| Vitamin C (mg)               | 8.1                             | 60        |
| Thiamine (mg)                | 0.054                           | 0.4       |
| Riboflavin (mg)              | 0.095                           | 0.7       |
| Niacin (mg)                  | 0.68                            | 5         |
| Pantothenic Acid (mg)        | 0.34                            | 2.5       |
| Vitamin B <sub>6</sub> (mg)  | 0.041                           | 0.3       |
| Folic Acid (mg)              | 0.0108                          | 0.08      |
| Vitamin B <sub>12</sub> (mg) | 0.0002                          | 0.00149   |
| Biotin (mg)                  | 0.002                           | 0.0149    |
| Choline (mg)                 | 16.2                            | 119       |
| Inositol (mg)                | 4.1                             | 30        |
| Carnitine (mg)               | 1.35                            | 9.9       |
| Taurine (mg)                 | 4.1                             | 30        |

| Other Characteristics                                  |      |
|--------------------------------------------------------|------|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 15.3 |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 230  |
| Osmolarity (mOsm/L)                                    | 210  |
| Water (g/100 mL)                                       | 90   |

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Milk ingredients, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Rice starch, Lactose, Maltodextrin, Polydextrose, Galactooligosaccharide solids (GOS), Mortierella alpina oil\*, Corn syrup solids, Crypthecodinium cohnii oil†, Taurine, L-carnitine, Ascorbyl palmitate, Mixed tocopherols, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, manganese sulfate, potassium iodide, sodium citrate, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

## PRODUCT FORMS

| Product                                                                          | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability             |
|----------------------------------------------------------------------------------|--------|-----------|----------------------------------------------|------------|-------------|--------------------------|
| Enfamil A <sup>®</sup><br>For feeding babies who frequently Spit Up <sup>‡</sup> | Powder | 629 g     | 5000 mL<br>(21 bottles x 8 fl oz)            | 18 Months  | 3271466     | Hospital, Retail, Online |

‡ For babies who spit up more than 4 times per day.

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should

**not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.

Carefully follow preparation instructions on the label. LET BOTTLE SIT FOR 5 MINUTES PRIOR TO FEEDING.

|                                                                                                                                                               |                                                                                                |                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                                                                              |               |                                                     |
| 1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water [2 minutes at a rolling boil]. | 2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing. | 3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b> . LET BOTTLE SIT 5 MINUTES. |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in tub to measure powder. Store **DRY** scoop in this tub.

| To Make              | Boiled Water            | Powder                                |
|----------------------|-------------------------|---------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> unpacked level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> unpacked level <b>scoops</b> |
| <b>180 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> unpacked level <b>scoops</b> |
| <b>240 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. After opening and between uses, keep pouch and tub lid tightly closed, store in a dry area, and use contents within 1 month. Do not store loose powder in tub. Use tub with Enfamil A\*® For feeding babies who frequently Spit Up formula only. Keep powder fresh and prevent bacterial growth by ensuring tub is clean and completely dry. Completely empty tub and wipe with a clean, dry cloth before reusing. Each pouch has a new batch code and expiration date sticker that must be retained until the contents of the pouch have been consumed.



# Enfamil A<sup>+</sup>® Lactose Free

Cow's milk-based, iron fortified lactose-free infant formula designed for infants sensitive to lactose.

U D M IFANCA

## INDICATION

Cow's milk-based, iron fortified lactose-free infant formula designed for infants sensitive to lactose. Contains DHA (a type of Omega-3 fat). Not intended for use by infants or children with galactosemia.

## NUTRIENTS

| Analysis                                                                                                                          | per 100 mL<br>(normal dilution)<br>and per 100 mL RTF |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Energy (kcal/kJ)                                                                                                                  | 68/280                                                |
| Protein (g)                                                                                                                       | 1.42 (Nursette® Bottle)<br>1.4 (Conc)                 |
| % of total energy                                                                                                                 | 8.4 (Nursette® Bottle)<br>8.5 (Conc)                  |
| Source: Milk protein isolate                                                                                                      |                                                       |
| Carbohydrate (g)                                                                                                                  | 7.4                                                   |
| % of total energy                                                                                                                 | 43.5 (Nursette® Bottle)<br>44 (Conc)                  |
| Source: Corn syrup solids                                                                                                         |                                                       |
| Fat (g)                                                                                                                           | 3.6                                                   |
| % of total energy                                                                                                                 | 48                                                    |
| Source: Palm olein (44%), soy (19.5%), coconut (19.5%), high oleic sunflower (14.5%) oils, ARA & DHA single cell oil blend (2.5%) |                                                       |
| Linoleic Acid (g)                                                                                                                 | 0.54 (Nursette® Bottle)<br>0.6 (Conc)                 |
| Linolenic Acid (g)                                                                                                                | 0.051 (Nursette® Bottle)<br>0.05 (Conc)               |
| ARA (mg)                                                                                                                          | 23 (Nursette® Bottle)<br>17 (Conc)                    |
| DHA (mg)                                                                                                                          | 11.5 (Nursette® Bottle)<br>12 (Conc)                  |

| Analysis                  |  | per 100 mL<br>(normal dilution)<br>and per 100 mL RTF |
|---------------------------|--|-------------------------------------------------------|
| Minerals                  |  |                                                       |
| Calcium (mg)              |  | 55 (Nursette® Bottle)<br>56 (Conc)                    |
| (mMol - Nursette® Bottle) |  | 1.38                                                  |
| Phosphorus (mg)           |  | 31                                                    |
| (mMol - Nursette® Bottle) |  | 1.0                                                   |
| Magnesium (mg)            |  | 5.4                                                   |
| (mMol - Nursette® Bottle) |  | 0.22                                                  |
| Iron (mg)                 |  | 1.22 (Nursette® Bottle)<br>1.2 (Conc)                 |
| Zinc (mg)                 |  | 0.68                                                  |
| Manganese (mg)            |  | 0.0101 (Nursette® Bottle)<br>0.0102 (Conc)            |
| Copper (mg)               |  | 0.051                                                 |
| Iodine (mg)               |  | 0.0101 (Nursette® Bottle)<br>0.0102 (Conc)            |
| Selenium (mg)             |  | 0.00189 (Nursette® Bottle)<br>0.0019 (Conc)           |
| Sodium (mg)               |  | 20                                                    |
| (mMol - Nursette® Bottle) |  | 0.88                                                  |
| Potassium (mg)            |  | 74 (Nursette® Bottle)<br>75 (Conc)                    |
| (mMol - Nursette® Bottle) |  | 1.9                                                   |
| Chloride (mg)             |  | 45 (Nursette® Bottle)<br>46 (Conc)                    |
| (mMol - Nursette® Bottle) |  | 1.28                                                  |
| Vitamins                  |  |                                                       |
| Vitamin A (IU)            |  | 200 (Nursette® Bottle)<br>204 (Conc)                  |
| Vitamin D (IU)            |  | 41                                                    |
| Vitamin E (IU)            |  | 1.35 (Nursette® Bottle)<br>1.4 (Conc)                 |
| Vitamin K (mg)            |  | 0.0061                                                |
| Vitamin C (mg)            |  | 8.1 (Nursette® Bottle)<br>8.2 (Conc)                  |
| Thiamine (mg)             |  | 0.054                                                 |

| Analysis                                               | per 100 mL<br>(normal dilution)<br>and per 100 mL RTF |
|--------------------------------------------------------|-------------------------------------------------------|
| Riboflavin (mg)                                        | 0.095                                                 |
| Niacin (mg)                                            | 0.68                                                  |
| Pantothenic Acid (mg)                                  | 0.34                                                  |
| Vitamin B <sub>6</sub> (mg)                            | 0.041                                                 |
| Folic Acid (mg)                                        | 0.0108 (Nursette® Bottle)<br>0.011 (Conc)             |
| Vitamin B <sub>12</sub> (mg)                           | 0.0002                                                |
| Biotin (mg)                                            | 0.002                                                 |
| Choline (mg)                                           | 16.2 (Nursette® Bottle)<br>16 (Conc)                  |
| Inositol (mg)                                          | 4.1                                                   |
| Carnitine (mg)                                         | 1.35 (Nursette® Bottle)<br>1.4 (Conc)                 |
| Taurine (mg)                                           | 4.1                                                   |
| Nucleotides (mg)                                       | 2.8 (Nursette® Bottle)<br>0 (Conc)                    |
| Other Characteristics                                  |                                                       |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 13.2 (Nursette® Bottle)<br>13.1 (Conc)                |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 200 (Nursette® Bottle)<br>300 (Conc)                  |
| Osmolarity (mOsm/L)                                    | 182 (Nursette® Bottle)<br>270 (Conc)                  |
| Water (g/100 mL)                                       | 91 (Nursette® Bottle)<br>90 (Conc)                    |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### CONCENTRATE

Water, Corn syrup solids, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Milk protein isolate, Soy lecithin, Mono- and diglycerides, Mortierella alpina oil\*, Schizochytrium sp. oil†, Carrageenan, Taurine, L-carnitine, Maltodextrin, Ascorbyl palmitate, Mixed tocopherols, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium phosphate,



manganese sulfate, potassium chloride, potassium citrate, potassium iodide, sodium citrate, sodium selenite and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

**59 mL NURSETTE® BOTTLE**

Water, Corn Syrup Solids, Milk Protein Isolate, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Mono- And Diglycerides, Soy Lecithin, Mortierella Alpina Oil\*, Crypthecodinium Cohnii Oil†, Carrageenan, Maltodextrin, Taurine, Nucleotides [Adenosine 5'-Monophosphate, Cytidine 5'-Monophosphate, Disodium Guanosine 5'-Monophosphate, Disodium Uridine 5'-Monophosphate], L- Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), Minerals [Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Potassium Iodide, Sodium Citrate, Sodium Selenite And Zinc Sulfate], Vitamins [Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>].

\* A source of ARA.

† A source of DHA.

**PRODUCT FORMS**

| Product                  | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|--------------------------|------------------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil A+® Lactose Free | Concentrate      | 385 mL    | 770 mL (3 bottles x 8 fl oz)                 | 12 Months  | 3278010     | Hospital & Retail |
|                          | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1271623     | Hospital only     |

**PREPARATION OF FEEDINGS**

**CONCENTRATE**

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

|                                                                                                                                                                                  |                                                                                                                                                                                  |                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                 |                                                                                                 |                                                                        |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps, can opener and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing. Clean top of can with previously boiled water, <b>SHAKE WELL</b> and open.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add an <b>equal</b> amount of concentrated liquid. Cap bottle and <b>SHAKE WELL</b>.</p> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened cans and prepared formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened can and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened cans at room temperature. Avoid excessive heat. Do not freeze.

### NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.



1. Wash hands thoroughly with soap and water before preparing bottle for feeding.



2. **SHAKE BOTTLE WELL** and remove cap.



3. Attach **DISPOSABLE NIPPLE UNIT** (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use formula within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CAN, CARTON AND/OR BOTTLE**



# Enfamil A<sup>+</sup>® Soy

Soy-based, iron fortified lactose-free infant formula designed for infants who need a milk-free formula due to health or cultural reasons.

U Pareve manufactured on dairy equipment  IFANCA

## INDICATION

Soy-based, iron fortified lactose-free infant formula designed for infants who need a milk-free formula due to health or cultural reasons. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis                                                                                                                          | per 100 mL<br>(normal dilution)         |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Energy (kcal/kJ)                                                                                                                  | 68/280                                  |
| Protein (g)                                                                                                                       | 1.7                                     |
| % of total energy                                                                                                                 | 10                                      |
| Source: Soy protein isolate (with added L-methionine)                                                                             |                                         |
| Carbohydrate (g)                                                                                                                  | 7.2                                     |
| % of total energy                                                                                                                 | 42                                      |
| Source: Corn syrup solids                                                                                                         |                                         |
| Fat (g)                                                                                                                           | 3.6                                     |
| % of total energy                                                                                                                 | 48                                      |
| Source: Palm olein (44%), soy (19.5%), coconut (19.5%), high oleic sunflower (14.5%) oils, ARA & DHA single cell oil blend (2.5%) |                                         |
| Linoleic Acid (g)                                                                                                                 | 0.6                                     |
| Linolenic Acid (g)                                                                                                                | 0.05 (Conc)<br>0.054 (Nursette® Bottle) |
| ARA (mg)                                                                                                                          | 17 (Conc)<br>23 (Nursette® Bottle)      |
| DHA (mg)                                                                                                                          | 12 (Conc)<br>11.5 (Nursette® Bottle)    |
| Minerals                                                                                                                          |                                         |
| Calcium (mg)                                                                                                                      | 71                                      |
| (mMol - Nursette® Bottle)                                                                                                         | 1.77                                    |

| Analysis                                     | per 100 mL<br>(normal dilution)           |
|----------------------------------------------|-------------------------------------------|
| Phosphorus (mg)<br>(mMol - Nursette® Bottle) | 47<br>1.51                                |
| Magnesium (mg)<br>(mMol - Nursette® Bottle)  | 5.4<br>0.22                               |
| Iron (mg)                                    | 1.2                                       |
| Zinc (mg)                                    | 0.81                                      |
| Manganese (mg)                               | 0.017 (Conc)<br>0.0169 (Nursette® Bottle) |
| Copper (mg)                                  | 0.051                                     |
| Iodine (mg)                                  | 0.0101                                    |
| Selenium (mg)                                | 0.0019                                    |
| Sodium (mg)<br>(mMol - Nursette® Bottle)     | 24<br>1.06                                |
| Potassium (mg)<br>(mMol - Nursette® Bottle)  | 81<br>2.1                                 |
| Chloride (mg)<br>(mMol - Nursette® Bottle)   | 54<br>1.52                                |
| Vitamins                                     |                                           |
| Vitamin A (IU)                               | 200                                       |
| Vitamin D (IU)                               | 41                                        |
| Vitamin E (IU)                               | 1.4 (Conc)<br>1.35 (Nursette® Bottle)     |
| Vitamin K (mg)                               | 0.0061                                    |
| Vitamin C (mg)                               | 8.1                                       |
| Thiamine (mg)                                | 0.054                                     |
| Riboflavin (mg)                              | 0.061                                     |
| Niacin (mg)                                  | 0.68                                      |
| Pantothenic Acid (mg)                        | 0.34                                      |
| Vitamin B <sub>6</sub> (mg)                  | 0.041                                     |
| Folic Acid (mg)                              | 0.011 (Conc)<br>0.0108 (Nursette® Bottle) |
| Vitamin B <sub>12</sub> (mg)                 | 0.0002                                    |
| Biotin (mg)                                  | 0.002                                     |

| Analysis                                                  | per 100 mL<br>(normal dilution)                    |
|-----------------------------------------------------------|----------------------------------------------------|
| Choline (mg)                                              | 16 (Conc)<br>16.2 (Nursette <sup>®</sup> Bottle)   |
| Inositol (mg)                                             | 4.1                                                |
| Carnitine (mg)                                            | 1.4 (Conc)<br>1.35 (Nursette <sup>®</sup> Bottle)  |
| Taurine (mg)                                              | 4.1                                                |
| Other Characteristics                                     |                                                    |
| Potential Renal Solute Load<br>(mOsm/100 mL) <sup>†</sup> | 15.9 (Conc)<br>15.6 (Nursette <sup>®</sup> Bottle) |
| Osmolality (mOsm/kg H <sub>2</sub> O)                     | 170 (Conc)<br>200 (Nursette <sup>®</sup> Bottle)   |
| Osmolarity (mOsm/L)                                       | 153 (Conc)<br>180 (Nursette <sup>®</sup> Bottle)   |
| Water (g/100 mL)                                          | 90                                                 |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.  
Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### CONCENTRATE

Water, Corn syrup solids, Contains three or more of the following (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), Soy protein isolate, Soy lecithin, Mono- and diglycerides, Mortierella alpina oil\*, Schizochytrium sp. oil†, L- methionine, Taurine, Carrageenan, L-carnitine, Maltodextrin, Ascorbyl palmitate, Mixed tocopherols, (may contain potassium hydroxide), **Minerals** (calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium chloride, magnesium phosphate, manganese sulfate, potassium chloride, potassium citrate, potassium iodide, sodium chloride, sodium citrate, sodium selenate and zinc sulfate), **Vitamins** (ascorbic acid, biotin, calcium D-pantothenate, choline chloride, dl- $\alpha$ -tocopheryl acetate, folic acid, inositol, niacinamide, pyridoxine hydrochloride, riboflavin, thiamine hydrochloride, vitamin A palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

### 59 mL NURSETTE<sup>®</sup> BOTTLE

Water, Corn Syrup Solids, Soy Protein Isolate, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Soy Lecithin, Mono- And Diglycerides, Mortierella Alpina Oil\*, L-Methionine, Carrageenan, Cryptocodium Cohnii Oil†, Taurine,

L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), Minerals (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Magnesium Phosphate, Potassium Chloride, Potassium Citrate, Potassium Iodide, Sodium Chloride, Sodium Citrate, Sodium Selenite And Zinc Sulfate), Vitamins (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, vitamin A Palmitate, vitamin B<sub>12</sub>, vitamin D<sub>3</sub> and vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

## PRODUCT FORMS

| Product                      | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil A <sup>+</sup> ® Soy | Concentrate      | 385 mL    | 770 mL (3 bottles x 8 fl oz)                 | 15 Months  | 3276942     | Hospital & Online |
|                              | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1271716     | Hospital only     |

## PREPARATION OF FEEDINGS

### CONCENTRATE

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

|                                                                                                                                                                                  |                                                                                                                                                                                  |                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                |                                                                                                |                                                                       |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps, can opener and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing. Clean top of can with previously boiled water, <b>SHAKE WELL</b> and open.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add an <b>equal</b> amount of concentrated liquid. Cap bottle and <b>SHAKE WELL</b>.</p> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened cans and prepared formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened can and/or prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened cans at room temperature. Avoid excessive heat. Do not freeze.

## NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                   |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |  |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b> and remove cap.</p>                                | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze.

After feeding begins, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CAN, CARTON AND/OR BOTTLE**





# Enfamil A+® Serenity

Enfamil A+® Serenity is designed to promote soft stools.



## INDICATION

Enfamil A+® Serenity is designed to promote soft stools.

## BENEFITS

A fibre blend (polydextrose & GOS) clinically shown to promote soft stools.\* Lower in iron than Enfamil A+®.† Contains a milk protein blend, patterned after breast milk, that has been partially broken down.‡ Contains DHA, a type of Omega-3 fat and an important building block of the brain. Complete nutrition including brain-building DHA. Lower in lactose than Enfamil A+®.§ The reusable tub has a snap-in scoop which is easy to find and easy to use with less mess.

\* Studied in Enfamil A+® infant formula compared to same formula without fibre blend.

† 17% lower iron as compared to Enfamil A+®.

‡ Based on whey:casein ratio of typical mature breast milk (15 days to 6 months after birth).

§ 1/2 of the lactose compared to Enfamil A+®.

## NUTRIENTS

| Analysis                        | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|---------------------------------|---------------------------------|---------------------|
| Energy (kcal/kJ)                | 68/280                          | 510/2130            |
| Protein (g)                     | 1.56                            | 11.7                |
| Carbohydrate (g)                | 7.5                             | 56                  |
| Galactooligosaccharides (g)     | 0.2                             | 1.5                 |
| Polydextrose (g)                | 0.2                             | 1.5                 |
| Fat (g)                         | 3.6                             | 27                  |
| Linoleic Acid (g)               | 0.5                             | 4                   |
| Linolenic Acid (g)              | 0.05                            | 0.37                |
| Arachidonic Acid (ARA) (mg)     | 23                              | 173                 |
| Docosahexaenoic Acid (DHA) (mg) | 11.5                            | 86                  |
| Minerals                        |                                 |                     |
| Ash (g)                         | 0.4                             | 3                   |
| Calcium (mg)                    | 55                              | 420                 |
| Phosphorus (mg)                 | 31                              | 230                 |

| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|------------------------------|---------------------------------|---------------------|
| Magnesium (mg)               | 5.4                             | 41                  |
| Iron (mg)                    | 1.01                            | 7.6                 |
| Zinc (mg)                    | 0.67                            | 5.1                 |
| Manganese (mg)               | 0.0101                          | 0.076               |
| Copper (mg)                  | 0.051                           | 0.38                |
| Iodine (mg)                  | 0.0101                          | 0.076               |
| Selenium (mg)                | 0.00189                         | 0.0142              |
| Sodium (mg)                  | 24                              | 183                 |
| Potassium (mg)               | 73                              | 549                 |
| Chloride (mg)                | 42                              | 320                 |
| Vitamins                     |                                 |                     |
| Vitamin A (IU)               | 200                             | 1520                |
| Vitamin D (IU)               | 40                              | 300                 |
| Vitamin E (IU)               | 1.35                            | 10.2                |
| Vitamin K (mg)               | 0.0061                          | 0.046               |
| Vitamin C (mg)               | 8.1                             | 61                  |
| Thiamine (mg)                | 0.054                           | 0.41                |
| Riboflavin (mg)              | 0.094                           | 0.71                |
| Niacin (mg)                  | 0.67                            | 5.1                 |
| Pantothenic Acid (mg)        | 0.34                            | 2.5                 |
| Vitamin B <sub>6</sub> (mg)  | 0.04                            | 0.3                 |
| Folic Acid (mg)              | 0.0108                          | 0.081               |
| Vitamin B <sub>12</sub> (mg) | 0.0002                          | 0.00152             |
| Biotin (mg)                  | 0.002                           | 0.0152              |
| Choline (mg)                 | 16.2                            | 122                 |
| Inositol (mg)                | 4                               | 30                  |
| Carnitine (mg)               | 1.35                            | 10.2                |
| Taurine (mg)                 | 4                               | 30                  |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 14  |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 250 |
| Osmolarity (mOsm/L)                                    | 230 |
| Water (g/100 mL)                                       | 90  |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Partially Hydrolyzed Modified Milk Ingredients (Soy), Corn Syrup Solids, Lactose, Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Mortierella Alpina Oil\*, Cryptecodinium Cohnii Oil†, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Chloride, Potassium Iodide, Sodium Citrate, Sodium Hydroxide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

## PRODUCT FORMS

| Product                                      | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number                                    | Availability |
|----------------------------------------------|--------|-----------|----------------------------------------------|------------|------------------------------------------------|--------------|
| Enfamil A <sup>+</sup> <sup>®</sup> Serenity | Powder | 578 g     | 3986 mL                                      | 18 Months  | Not Available For Hospital Orders <sup>‡</sup> | Retail only  |

<sup>‡</sup> For more info, feel free to connect with your Hospital Account Manager.

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.

|                                                                                                                                                                      |                                                                                                       |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                     |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b>.</p> |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in tub to measure powder. Store **DRY** scoop in this tub.

| To Make              | Boiled Water            | Powder                              |
|----------------------|-------------------------|-------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> packed level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> packed level <b>scoops</b> |
| <b>180 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> packed level <b>scoops</b> |
| <b>240 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> packed level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. After opening and between uses, keep pouch and tub lid tightly closed, store in dry area and use contents within 1 month. Do not store loose powder in tub. Use with Enfamil A+® Serenity formula only. Keep powder fresh and prevent bacterial growth by ensuring tub is clean and completely dry. Completely empty tub and wipe with a clean, dry cloth before reusing. Top rack dishwasher safe.

Each pouch has a new batch code and expiration date sticker that must be retained until the contents of the pouch have been consumed.

Do not freeze powder and avoid excessive heat.



# Nutramigen® A+® with LGG®

**Hypoallergenic, extensively hydrolyzed, iron fortified infant formula, providing special feeding for babies with cow's milk protein allergy including colicky\* babies.**

\* Due to cow's milk protein allergy.  
Not Kosher

## INDICATION

Hypoallergenic, extensively hydrolyzed, iron fortified infant formula, providing special feeding for babies with cow's milk protein allergy including colicky\* babies.

\* Due to cow's milk protein allergy.

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|-------------------|---------------------------------|---------------------|
| Energy (kcal/kJ)  | 68/280                          | 500/2090            |
| Protein (g)       | 1.9                             | 14                  |
| % of total energy | 11                              | 11                  |

Source: Hydrolyzed casein, amino acid premix

|                   |    |    |
|-------------------|----|----|
| Carbohydrate (g)  | 7  | 52 |
| % of total energy | 41 | 41 |

Source: Corn syrup solids, modified corn starch

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 3.6 | 27 |
| % of total energy | 48  | 48 |

Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high olein sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

|                                  |                        |                     |
|----------------------------------|------------------------|---------------------|
| Linoleic Acid (g)                | 0.5                    | 3.9                 |
| Linolenic Acid (g)               | 0.05                   | 0.4                 |
| ARA (mg)                         | 17                     | 125                 |
| DHA (mg)                         | 12                     | 85                  |
| Lactobacillus rhamnosus GG (cfu) | 1.35 x 10 <sup>7</sup> | 1 x 10 <sup>8</sup> |

LGG® is a registered trademark of Chr. Hansen A/S.

| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g<br>powder |
|------------------------------|---------------------------------|---------------------|
| Minerals                     |                                 |                     |
| Calcium (mg)                 | 64                              | 470                 |
| Phosphorus (mg)              | 35                              | 260                 |
| Magnesium (mg)               | 5.4                             | 40                  |
| Iron (mg)                    | 1.22                            | 9                   |
| Zinc (mg)                    | 0.68                            | 5                   |
| Manganese (mg)               | 0.017                           | 0.125               |
| Copper (mg)                  | 0.051                           | 0.38                |
| Iodine (mg)                  | 0.0102                          | 0.075               |
| Selenium (mg)                | 0.0019                          | 0.014               |
| Sodium (mg)                  | 32                              | 240                 |
| Potassium (mg)               | 75                              | 550                 |
| Chloride (mg)                | 58                              | 430                 |
| Vitamins                     |                                 |                     |
| Vitamin A (IU)               | 200                             | 1500                |
| Vitamin D (IU)               | 41                              | 300                 |
| Vitamin E (IU)               | 1.36                            | 10                  |
| Vitamin K (mg)               | 0.0061                          | 0.045               |
| Vitamin C (mg)               | 8.2                             | 60                  |
| Thiamine (mg)                | 0.054                           | 0.4                 |
| Riboflavin (mg)              | 0.061                           | 0.45                |
| Niacin (mg)                  | 0.68                            | 5                   |
| Pantothenic Acid (mg)        | 0.34                            | 2.5                 |
| Vitamin B <sub>6</sub> (mg)  | 0.041                           | 0.3                 |
| Folic Acid (mg)              | 0.0109                          | 0.08                |
| Vitamin B <sub>12</sub> (mg) | 0.0002                          | 0.0015              |
| Biotin (mg)                  | 0.002                           | 0.015               |
| Choline (mg)                 | 16.3                            | 120                 |
| Inositol (mg)                | 16.3                            | 120                 |
| Carnitine (mg)               | 1.36                            | 10                  |
| Taurine (mg)                 | 4.1                             | 30                  |

| Other Characteristics                                  |      |
|--------------------------------------------------------|------|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 16.9 |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 300  |
| Osmolarity (mOsm/L)                                    | 270  |
| Water (g/100 mL)                                       | 89   |

Nutrient values are subject to change. Consult actual product labels for most current information.

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.
2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

## INGREDIENTS

Corn Syrup Solids, Extensively Hydrolyzed Casein\* (From Milk), Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Modified Corn Starch, Mortierella Alpina Oil<sup>†</sup>, L-Cystine, Schizochytrium Sp. Oil<sup>‡</sup>, L-Cystine, L-Tyrosine, L-Tryptophan, Taurine, Lactobacillus Rhamnosus GG, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Citrate, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite, And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* Modified to be better tolerated in milk allergic babies.

<sup>†</sup> A source of ARA.

<sup>‡</sup> A source of DHA.

## PRODUCT FORMS

| Product                   | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|---------------------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Nutramigen® A+® with LGG® | Powder | 561 g     | 4100 mL (17.5 bottles x 237 mL / 8 fl oz)    | 18 Months  | 3230626     | Hospital & Retail |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, dilution, use, and storage are important when preparing infant formula. Powdered infant formulas are not sterile. Ask your baby's doctor which formula is appropriate for your baby. **Important Notice: Nutramigen® A+® with LGG® should only be used under medical supervision. Powdered infant formulas and those with added micro-organisms such as LGG® are not sterile and should not be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor.**

|                                                                                                                                                                             |                                                                                                       |                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                            |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps, scoop and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b>.</p> |

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make       | Boiled Water     | Powder                       |
|---------------|------------------|------------------------------|
| 60 mL bottle  | 60 mL (1/4 cup)  | 1 packed level <b>scoop</b>  |
| 120 mL bottle | 120 mL (1/2 cup) | 2 packed level <b>scoops</b> |
| 180 mL bottle | 180 mL (3/4 cup) | 3 packed level <b>scoops</b> |
| 240 mL bottle | 240 mL (1 cup)   | 4 packed level <b>scoops</b> |

**WARNING:** Do not warm the prepared formula beyond preparation temperature of 40°C (104°F); this may limit the benefits of LGG culture. Microwaving formula may cause serious burns to baby.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.





# Nutramigen® A+®

Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with cow's milk protein allergy, including colicky\* infants.

\* Due to cow's milk protein allergy.

Not Kosher

## INDICATION

Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with cow's milk protein allergy, including colicky\* infants. Contains DHA (a type of Omega-3 fat).

\* Due to cow's milk protein allergy.

## NUTRIENTS

| Analysis          | g/100 mL (normal dilution) Nursette® bottle | per 100 mL (normal dilution) powder | per 100 g powder |
|-------------------|---------------------------------------------|-------------------------------------|------------------|
| Energy (kcal/kJ)  | 68/280                                      | 68/280                              | 500/2080         |
| Protein (g)       | 1.9                                         | 1.89                                | 13.9             |
| % of total energy | 11                                          | 11                                  | 11               |

Source: Casein hydrolyzed, amino acid premix

|                   |    |    |    |
|-------------------|----|----|----|
| Carbohydrate (g)  | 7  | 7  | 51 |
| % of total energy | 41 | 41 | 41 |

Source (Powder): Corn syrup solids, modified corn starch.

Source (Nursette® Bottle): Corn syrup solids, modified corn starch.

|                   |     |     |    |
|-------------------|-----|-----|----|
| Fat (g)           | 3.6 | 3.6 | 26 |
| % of total energy | 48  | 48  | 48 |

Powder Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

Nursette® Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

|                    |      |       |     |
|--------------------|------|-------|-----|
| Linoleic Acid (g)  | 0.5  | 0.58  | 4.3 |
| Linolenic Acid (g) | 0.05 | 0.054 | 0.4 |
| ARA (mg)           | 17   | 23    | 169 |
| DHA (mg)           | 11.6 | 11.5  | 85  |

| Analysis                  | g/100 mL (normal dilution) Nursette® bottle | per 100 mL (normal dilution) powder | per 100 g powder |
|---------------------------|---------------------------------------------|-------------------------------------|------------------|
| Minerals                  |                                             |                                     |                  |
| Ash (g)                   | 0.49                                        |                                     |                  |
| Calcium (mg)              | 64                                          | 64                                  | 470              |
| (mMol - Nursette® Bottle) | 1.59                                        | 1.59                                | 11.7             |
| Phosphorus (mg)           | 35                                          | 35                                  | 260              |
| (mMol - Nursette® Bottle) | 1.13                                        | 1.13                                | 8.3              |
| Magnesium (mg)            | 5.4                                         | 5.4                                 | 40               |
| (mMol - Nursette® Bottle) | 0.22                                        | 0.22                                | 1.64             |
| Iron (mg)                 | 1.22                                        | 1.22                                | 9                |
| Zinc (mg)                 | 0.68                                        | 0.68                                | 5                |
| Manganese (mg)            | 0.017                                       | 0.0169                              | 0.124            |
| Copper (mg)               | 0.051                                       | 0.051                               | 0.37             |
| Iodine (mg)               | 0.0102                                      | 0.0101                              | 0.075            |
| Selenium (mg)             | 0.0019                                      | 0.00189                             | 0.0139           |
| Sodium (mg)               | 32                                          | 32                                  | 230              |
| (mMol - Nursette® Bottle) | 1.38                                        | 1.38                                | 10.2             |
| Potassium (mg)            | 75                                          | 74                                  | 550              |
| (mMol - Nursette® Bottle) | 1.9                                         | 1.9                                 | 14               |
| Chloride (mg)             | 58                                          | 58                                  | 430              |
| (mMol - Nursette® Bottle) | 1.64                                        | 1.64                                | 12               |
| Vitamins                  |                                             |                                     |                  |
| Vitamin A (IU)            | 200                                         | 200                                 | 1490             |
| Vitamin D (IU)            | 31                                          | 34                                  | 250              |
| Vitamin E (IU)            | 1.36                                        | 1.35                                | 9.9              |
| Vitamin K (mg)            | 0.0061                                      | 0.0061                              | 0.045            |
| Vitamin C (mg)            | 8.2                                         | 8.1                                 | 60               |
| Thiamine (mg)             | 0.054                                       | 0.054                               | 0.4              |
| Riboflavin (mg)           | 0.061                                       | 0.061                               | 0.45             |

| Analysis                                     | g/100 mL (normal dilution) Nursette® bottle | per 100 mL (normal dilution) powder    | per 100 g powder |
|----------------------------------------------|---------------------------------------------|----------------------------------------|------------------|
| Niacin (mg)                                  | 0.68                                        | 0.68                                   | 5                |
| Pantothenic Acid (mg)                        | 0.34                                        | 0.34                                   | 2.5              |
| Vitamin B <sub>6</sub> (mg)                  | 0.041                                       | 0.041                                  | 0.3              |
| Folic Acid (mg)                              | 0.0109                                      | 0.0108                                 | 0.08             |
| Vitamin B <sub>12</sub> (mg)                 | 0.0002                                      | 0.0002                                 | 0.00149          |
| Biotin (mg)                                  | 0.002                                       | 0.002                                  | 0.0149           |
| Choline (mg)                                 | 16.3                                        | 16.2                                   | 119              |
| Inositol (mg)                                | 16.3                                        | 11.5                                   | 85               |
| Carnitine (mg)                               | 1.36                                        | 1.35                                   | 9.9              |
| Taurine (mg)                                 | 4.1                                         | 4.1                                    | 30               |
| Other Characteristics                        |                                             |                                        |                  |
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> |                                             | 16.9                                   |                  |
| Osmolality (mOsm/kg H <sub>2</sub> O)        |                                             | 300 (Powder)<br>320 (Nursette® Bottle) |                  |
| Osmolarity (mOsm/L)                          |                                             | 270 (Powder)<br>280 (Nursette® Bottle) |                  |
| Water (g/100 mL)                             |                                             | 90 (Powder)<br>89 (Nursette® Bottle)   |                  |

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.
2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### POWDER

Corn Syrup Solids, Hydrolyzed Casein\* (From Milk), Palm Olein Oil, Modified Corn Starch, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Mortierella Alpina Oil<sup>†</sup>, L-Cystine, Cryptocodinium Cohnii Oil<sup>‡</sup>, L-Tyrosine, L-Tryptophan, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Citrate, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* Modified to be better tolerated in milk allergic babies.

<sup>†</sup> A source of ARA.

<sup>‡</sup> A source of DHA.

## NURSETTE® BOTTLE

**Ingredients:** Water, Corn Syrup Solids, Extensively Hydrolyzed Casein\* (From Milk), Modified Corn Starch, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Carrageenan, Citric Acid, Mortierella Alpina Oil†, Schizochytrium Sp. Oil‡, L-Cystine, L-Tyrosine, L-Tryptophan, Taurine, L-Carnitine, Mixed Tocopherols, Ascorbyl Palmitate, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Potassium Iodide, Sodium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocophery Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* Modified to be better tolerated in milk allergic babies.

† A source of ARA.

‡ A source of DHA.

## PRODUCT FORMS

| Product         | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|-----------------|------------------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Nutramigen® A+® | Powder           | 385 mL    | 3300 mL (14 bottles x 8 fl oz)               | 18 Months  | 1239201     | Hospital & Retail |
|                 | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 6 Months   | 3229972     | Hospital only     |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions.** Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.



1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).



2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.



3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and **SHAKE WELL**.

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make              | Boiled Water            | Powder                              |
|----------------------|-------------------------|-------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> packed level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> packed level <b>scoops</b> |
| <b>180 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> packed level <b>scoops</b> |
| <b>240 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> packed level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use formula within one hour or discard.

**Powder Storage:** Store cans at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

## NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions.** Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                   |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |  |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b> and remove cap.</p>                                | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**Failure to follow these instructions could result in severe harm. Opened bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CAN, CARTON AND/OR BOTTLE**



# PURAMINO A<sup>+</sup>®

**Hypoallergenic, 100% free amino acid-based, iron fortified infant formula for the dietary management of infants and toddlers with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation.**

U D M IFANCA

## INDICATION

Hypoallergenic, 100% free amino acid-based, iron fortified infant formula for the dietary management of infants and toddlers with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation. Contains DHA (a type of Omega-3 fat) and MCT Oil.

## NUTRIENTS

| Analysis                                                                                                       | per 100 mL<br>(normal dilution) | per 100 g |
|----------------------------------------------------------------------------------------------------------------|---------------------------------|-----------|
| Energy (kcal/kJ)                                                                                               | 68/280                          | 500/2090  |
| Protein equivalent (g)                                                                                         | 1.89                            | 13.9      |
| % of total energy                                                                                              | 11                              | 11        |
| Source: Amino acid premix                                                                                      |                                 |           |
| Carbohydrate (g)                                                                                               | 7.2                             | 53        |
| % of total energy                                                                                              | 42                              | 42        |
| Source: Corn syrup solids, modified tapioca starch                                                             |                                 |           |
| Fat (g)                                                                                                        | 3.6                             | 26        |
| % of total energy                                                                                              | 47                              | 47        |
| Source: High oleic sunflower oil (34.5%), MCT oil (33%), soy oil (30%), ARA & DHA single cell oil blend (2.5%) |                                 |           |
| Linoleic Acid (g)                                                                                              | 0.58                            | 4.3       |
| Linolenic Acid (g)                                                                                             | 0.054                           | 0.4       |
| ARA (mg)                                                                                                       | 23                              | 169       |
| DHA (mg)                                                                                                       | 11.5                            | 85        |
| Minerals                                                                                                       |                                 |           |
| Calcium (mg)                                                                                                   | 64                              | 470       |
| Phosphorus (mg)                                                                                                | 35                              | 260       |
| Magnesium (mg)                                                                                                 | 7.4                             | 55        |

| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g |
|------------------------------|---------------------------------|-----------|
| Iron (mg)                    | 1.22                            | 9         |
| Zinc (mg)                    | 0.68                            | 5         |
| Manganese (mg)               | 0.0169                          | 0.124     |
| Copper (mg)                  | 0.051                           | 0.37      |
| Iodine (mg)                  | 0.0101                          | 0.075     |
| Selenium (mg)                | 0.00189                         | 0.0139    |
| Sodium (mg)                  | 32                              | 230       |
| Potassium (mg)               | 74                              | 550       |
| Chloride (mg)                | 58                              | 430       |
| <b>Vitamins</b>              |                                 |           |
| Vitamin A (IU)               | 200                             | 1490      |
| Vitamin D (IU)               | 34                              | 250       |
| Vitamin E (IU)               | 1.35                            | 9.9       |
| Vitamin K (mg)               | 0.0061                          | 0.045     |
| Vitamin C (mg)               | 8.1                             | 60        |
| Thiamine (mg)                | 0.054                           | 0.4       |
| Riboflavin (mg)              | 0.061                           | 0.45      |
| Niacin (mg)                  | 0.68                            | 5         |
| Pantothenic Acid (mg)        | 0.34                            | 2.5       |
| Vitamin B <sub>6</sub> (mg)  | 0.041                           | 0.3       |
| Folic Acid (mg)              | 0.0108                          | 0.08      |
| Vitamin B <sub>12</sub> (mg) | 0.0002                          | 0.00149   |
| Biotin (mg)                  | 0.002                           | 0.0149    |
| Choline (mg)                 | 16.2                            | 119       |
| Inositol (mg)                | 11.5                            | 85        |
| Carnitine (mg)               | 1.35                            | 9.9       |
| Taurine (mg)                 | 4.1                             | 30        |

#### Other Characteristics

|                                              |      |
|----------------------------------------------|------|
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 16.9 |
| Osmolality (mOsm/kg H <sub>2</sub> O)        | 350  |
| Osmolarity (mOsm/L)                          | 320  |
| Water (g/100 mL)                             | 90   |

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>



1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.
2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals.* Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Amino Acids (L-Aspartic Acid, L-Leucine, L-Lysine Hydrochloride, L-Proline, L-Alanine, L-Valine, Monosodium Glutamate, L-Isoleucine, L-Serine, L-Threonine, L-Tyrosine, L-Arginine, L-Phenylalanine, Glycine, L-Cystine, L-Histidine, L-Tryptophan, L-Methionine), High Oleic Sunflower Oil, Medium Chain Triglycerides (Fractionated Coconut Oil), Soy Oil, Modified Tapioca Starch, Mortierella Alpina Oil\*, Crypthecodinium Cohnii Oil†, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, **Minerals** (Calcium Citrate, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of ARA.  
 † A source of DHA.

## PRODUCT FORMS

| Product      | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|--------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| PURIMINO A+® | Powder | 400 g     | 2900 mL<br>(12 bottles x 8 fl oz)            | 15 Months  | 1233351     | Hospital & Retail |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby’s health depends on carefully following the instructions below.** Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby’s doctor. Ask your baby’s doctor which formula is appropriate for your baby.



1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).



2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.



3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and **SHAKE WELL**.

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make              | Boiled Water            | Powder                                |
|----------------------|-------------------------|---------------------------------------|
| <b>65 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>2</b> unpacked level <b>scoops</b> |
| <b>130 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>4</b> unpacked level <b>scoops</b> |
| <b>195 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>6</b> unpacked level <b>scoops</b> |
| <b>260 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>8</b> unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within one hour or discard.

**Storage/Handling:** Store cans at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**



# PURAMINO A<sup>+</sup>® JUNIOR

**Hypoallergenic, 100% free amino acid-based powder for the dietary management of children over 12 months of age with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation.**



## INDICATION

Hypoallergenic, 100% free amino acid-based powder for the dietary management of children over 12 months of age with severe cow's milk protein and multiple food allergies or other conditions requiring an amino acid-based formulation. Contains DHA (a type of Omega-3 fat) and MCT Oil.

## NUTRIENTS

| Analysis                                                                                         | per 100 mL<br>(normal dilution) | per 100 g |
|--------------------------------------------------------------------------------------------------|---------------------------------|-----------|
| Energy (kcal/kJ)                                                                                 | 100/420                         | 490/2050  |
| Protein equivalent (g)                                                                           | 2.8                             | 14        |
| % of total energy                                                                                | 11                              | 11        |
| Source: Amino acid premix                                                                        |                                 |           |
| Carbohydrate (g)                                                                                 | 12                              | 59        |
| % of total energy                                                                                | 49                              | 49        |
| Source: Corn syrup solids, modified tapioca starch                                               |                                 |           |
| Fat (g)                                                                                          | 4.5                             | 22        |
| % of total energy                                                                                | 40                              | 40        |
| Source: High oleic sunflower oil (46%), MCT oil (33%), soy oil (20%), DHA single cell oil (1.3%) |                                 |           |
| Linoleic Acid (g)                                                                                | 0.6                             | 2.9       |
| Linolenic Acid (g)                                                                               | 0.06                            | 0.3       |
| ARA (mg)                                                                                         | 0                               | 0         |
| DHA (mg)                                                                                         | 23                              | 113       |
| Minerals                                                                                         |                                 |           |
| Calcium (mg)                                                                                     | 100                             | 490       |
| Phosphorus (mg)                                                                                  | 60                              | 290       |

| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g |
|------------------------------|---------------------------------|-----------|
| Magnesium (mg)               | 16                              | 78        |
| Iron (mg)                    | 1                               | 4.9       |
| Zinc (mg)                    | 0.9                             | 4.4       |
| Manganese (mg)               | 0.057                           | 0.28      |
| Copper (mg)                  | 0.11                            | 0.54      |
| Iodine (mg)                  | 0.015                           | 0.074     |
| Selenium (mg)                | 0.0032                          | 0.0157    |
| Chromium (mg)                | 0.003                           | 0.0147    |
| Molybdenum (mg)              | 0.0045                          | 0.022     |
| Sodium (mg)                  | 40                              | 196       |
| Potassium (mg)               | 100                             | 490       |
| Chloride (mg)                | 61                              | 300       |
| Vitamins                     |                                 |           |
| Vitamin A (IU)               | 200                             | 990       |
| Vitamin D (IU)               | 56                              | 270       |
| Vitamin E (IU)               | 1.79                            | 8.8       |
| Vitamin K (mg)               | 0.004                           | 0.02      |
| Vitamin C (mg)               | 10                              | 49        |
| Thiamine (mg)                | 0.075                           | 0.37      |
| Riboflavin (mg)              | 0.1                             | 0.49      |
| Niacin (mg)                  | 1                               | 4.9       |
| Pantothenic Acid (mg)        | 0.43                            | 2.1       |
| Vitamin B <sub>6</sub> (mg)  | 0.1                             | 0.49      |
| Folic Acid (mg)              | 0.015                           | 0.074     |
| Vitamin B <sub>12</sub> (mg) | 0.00025                         | 0.00123   |
| Biotin (mg)                  | 0.0022                          | 0.0108    |
| Choline (mg)                 | 22                              | 108       |
| Inositol (mg)                | 17                              | 83        |
| Carnitine (mg)               | 2                               | 9.8       |
| Taurine (mg)                 | 6                               | 29        |

| Other Characteristics                        |     |
|----------------------------------------------|-----|
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 24  |
| Osmolality (mOsm/kg H <sub>2</sub> O)        | 570 |
| Osmolarity (mOsm/L)                          | 480 |
| Water (g/100 mL)                             | 85  |

Nutrient values are subject to change. Consult actual product labels for most current information.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

## INGREDIENTS

Corn Syrup Solids, High Oleic Sunflower Oil, Amino Acids (Potassium Aspartate, L-Leucine, L-Lysine Hydrochloride, L-Proline, L-Alanine, L-Valine, L-Isoleucine, Monosodium Glutamate, L-Threonine, L-Serine, L-Tyrosine, L-Aspartic Acid, L-Arginine, L-Phenylalanine, L-Histidine, L-Cystine, Glycine, L-Tryptophan, L-Methionine), Medium Chain Triglycerides (Fractionated Coconut Oil), Soy Oil, Modified Tapioca Starch, Schizochytrium Sp. Oil\*, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, **Minerals** (Calcium Citrate, Calcium Phosphate, Chromic Chloride, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Sodium Citrate, Sodium Iodide, Sodium Molybdate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of DHA.

## PRODUCT FORMS

| Product                        | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|--------------------------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| PURIMINO A <sup>+</sup> JUNIOR | Powder | 400 g     | 2900 mL<br>(8 bottles x 8 fl oz)             | 15 Months  | 2047834     | Hospital & Retail |

## PREPARATION OF FEEDINGS

USE ONLY AS DIRECTED BY YOUR MEDICAL PROFESSIONAL.

PURAMINO A<sup>+</sup> JUNIOR IS NOT DESIGNED FOR USE AS AN INFANT FORMULA.

## INSTRUCTIONS FOR PREPARATION AND USE

### FOR ORAL FEEDING:

**Your medical professional will provide the correct amount of powder to mix with water for consumption.\*** It is important to follow the directions below. Measure the correct amount of water into a suitable container for mixing. Next, add the required amount of PURAMINO A<sup>+</sup>® JUNIOR powder. **Mix well until blended.**

**Failure to follow these instructions could result in severe harm. Once prepared, this product can spoil quickly.** Either consume the prepared beverage immediately or cover and store in refrigerator at 2-4°C (35-40°F). Use within 24 hours of preparation. Shake well before each use. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, consume the prepared beverage within one hour or discard.

\* If instructed to use the scoop in the can to make 30 kcal/30 mL: **For every 30 mL (1 US fl. oz.) of water, 1 unpacked level scoop of powder (6.8 g) will make approximately 35 mL (1.2 US fl. oz.) of prepared product.**

To make approximately 177 mL (approximately 6 US fl. oz.) of prepared product, add 5 unpacked level scoops (34 g) of powder to 152 mL (5 US fl. oz.) of water. To make approximately 246 mL (approximately 8 US fl. oz.) of prepared product, add 7 unpacked level scoops (47.6 g) of powder to 211 mL (7 US fl. oz.) of water.

This 400 g can of PURAMINO A<sup>+</sup>® JUNIOR will make approximately 2 L (2.1 US quarts) of beverage at 30 kcal/30 mL.

**WARNING:** Do not boil product. Do not use a microwave oven to prepare or warm product. Serious burns may result.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Store **DRY** scoop in this can. Do not freeze powder and avoid excessive heat.

**WARNING:** Not for parenteral (I.V.) use.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**



# Pregestimil® A+®

**Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with fat malabsorption and who may also be sensitive to intact proteins.**

**Not Kosher**

## INDICATION

Hypoallergenic, extensively hydrolyzed, iron fortified infant formula for the dietary management of infants with fat malabsorption and who may also be sensitive to intact proteins. Contains DHA (a type of Omega-3 fat).

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution) | per 100 g |
|-------------------|---------------------------------|-----------|
| Energy [kcal/kJ]  | 68/280                          | 500/2090  |
| Protein [g]       | 1.89                            | 14        |
| % of total energy | 11                              | 11        |

Source: Casein hydrolysate, amino acid premix

|                   |                                          |    |
|-------------------|------------------------------------------|----|
| Carbohydrate [g]  | 6.9                                      | 51 |
| % of total energy | 40 (Powder)<br>41 (Nursette®<br>Bottle)† | 40 |

Source (Powder): Corn syrup solids, modified corn starch

Source (Nursette® Bottle): Corn syrup, starch

|                   |                                          |    |
|-------------------|------------------------------------------|----|
| Fat [g]           | 3.8                                      | 28 |
| % of total energy | 49 (Powder)<br>48 (Nursette®<br>Bottle)† | 49 |

Source (Powder): MCT (55%), soy (35%), corn (10%), high oleic safflower (7.5%) oils, ARA & DHA single cell oil blend (2.5%)

Source (Nursette® Bottle): MCT (55%), soy (35%), high oleic safflower (7.5%) oils, ARA & DHA single cell oil blend (2.5%)

|                   |      |     |
|-------------------|------|-----|
| Linoleic Acid [g] | 0.64 | 4.7 |
|-------------------|------|-----|

† Per 100 mL of undiluted liquid.

| Analysis                  | per 100 mL<br>(normal dilution)                | per 100 g |
|---------------------------|------------------------------------------------|-----------|
| Linolenic Acid (g)        | 0.064 (Powder)<br>0.081 (Nursette®<br>Bottle)* | 0.48      |
| ARA (mg)                  | 23                                             | 170       |
| DHA (mg)                  | 11.5                                           | 85        |
| Minerals                  |                                                |           |
| Calcium (mg)              | 64                                             | 470       |
| (mMol - Nursette® Bottle) | 1.59                                           | -         |
| Phosphorus (mg)           | 35                                             | 260       |
| (mMol - Nursette® Bottle) | 1.13                                           | -         |
| Magnesium (mg)            | 5.4                                            | 40        |
| (mMol - Nursette® Bottle) | 0.22                                           | -         |
| Iron (mg)                 | 1.22                                           | 9         |
| Zinc (mg)                 | 0.68                                           | 5         |
| Manganese (mg)            | 0.0169                                         | 0.125     |
| Copper (mg)               | 0.051                                          | 0.38      |
| Iodine (mg)               | 0.0101                                         | 0.075     |
| Selenium (mg)             | 0.00189                                        | 0.014     |
| Sodium (mg)               | 32                                             | 240       |
| (mMol - Nursette® Bottle) | 1.38                                           | -         |
| Potassium (mg)            | 74                                             | 550       |
| (mMol - Nursette® Bottle) | 1.9                                            | -         |
| Chloride (mg)             | 58                                             | 430       |
| (mMol - Nursette® Bottle) | 1.64                                           | -         |
| Vitamins                  |                                                |           |
| Vitamin A (IU)            | 240                                            | 1750      |
| Vitamin D (IU)            | 34                                             | 250       |
| Vitamin E (IU)            | 2.7                                            | 20        |
| Vitamin K (mg)            | 0.0081                                         | 0.06      |
| Vitamin C (mg)            | 8.1                                            | 60        |
| Thiamine (mg)             | 0.054                                          | 0.4       |
| Riboflavin (mg)           | 0.061                                          | 0.45      |

\* Per 100 mL of undiluted liquid.



| Analysis                     | per 100 mL<br>(normal dilution) | per 100 g |
|------------------------------|---------------------------------|-----------|
| Niacin (mg)                  | 0.68                            | 5         |
| Pantothenic Acid (mg)        | 0.34                            | 2.5       |
| Vitamin B <sub>6</sub> (mg)  | 0.041                           | 0.3       |
| Folic Acid (mg)              | 0.0108                          | 0.08      |
| Vitamin B <sub>12</sub> (mg) | 0.0002                          | 0.0015    |
| Biotin (mg)                  | 0.002                           | 0.015     |
| Choline (mg)                 | 16.2                            | 120       |
| Inositol (mg)                | 11.5                            | 85        |
| Carnitine (mg)               | 1.35                            | 10        |
| Taurine (mg)                 | 4.1                             | 30        |

| Other Characteristics                        |                                         |
|----------------------------------------------|-----------------------------------------|
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 16.9                                    |
| Osmolality (mOsm/kg H <sub>2</sub> O)        | 320 (Powder)<br>340 (Nursette® Bottle)* |
| Osmolarity (mOsm/L)                          | 290 (Powder)<br>310 (Nursette® Bottle)* |
| Water (g/100 mL)                             | 90 (Powder)<br>90 (Nursette® Bottle)*   |

\* Per 100 mL of undiluted liquid.

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.
2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### POWDER

Corn Syrup Solids, Hydrolyzed Casein<sup>+</sup> (From Milk), Medium Chain Triglycerides (Fractionated Coconut Oil), Modified Corn Starch, Soy Oil, Corn Oil, High Oleic Vegetable Oil (Safflower And/Or Sunflower Oil), Mortierella Alpina Oil<sup>‡</sup>, L-Cystine, Cryptocodinium Cohnii Oil<sup>¶</sup>, L-Tyrosine, L-Tryptophan, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Citrate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate,

Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

† Modified to be better tolerated in milk allergic babies.

‡ A source of ARA.

¶ A source of DHA.

## 59 mL NURSETTE® BOTTLE

Water, Corn Syrup Solids, Hydrolyzed Casein<sup>†</sup> (From Milk), Medium Chain Triglycerides (Fractionated Coconut Oil), Modified Corn Starch, Soy Oil, High Oleic Vegetable Oil (Safflower And/Or Sunflower Oil), Carrageenan, Mortierella Alpina Oil<sup>‡</sup>, L-Cystine, Cryptocodium Cohnii Oil<sup>¶</sup>, L-Tyrosine, L-Tryptophan, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Potassium Phosphate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

† Modified to be better tolerated in milk allergic babies.

‡ A source of ARA.

¶ A source of DHA.

## PRODUCT FORMS

| Product                       | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|-------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Pregestimil® A <sup>+</sup> ® | Powder           | 454 g     | 3400 mL (14 bottles x 8 fl oz)               | 21 Months  | 1238161     | Hospital & Online |
|                               | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1273987     | Hospital only     |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.**

Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.



1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).



2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.



3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and **SHAKE WELL**.

Use the chart below for the correct amounts of cooled, boiled water and powder. Use scoop in can to measure powder. Store **DRY** scoop in this can.

| To Make              | Boiled Water            | Powder                              |
|----------------------|-------------------------|-------------------------------------|
| <b>60 mL</b> bottle  | <b>60 mL</b> (1/4 cup)  | <b>1</b> packed level <b>scoop</b>  |
| <b>120 mL</b> bottle | <b>120 mL</b> (1/2 cup) | <b>2</b> packed level <b>scoops</b> |
| <b>195 mL</b> bottle | <b>180 mL</b> (3/4 cup) | <b>3</b> packed level <b>scoops</b> |
| <b>260 mL</b> bottle | <b>240 mL</b> (1 cup)   | <b>4</b> packed level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within one hour or discard.

**Storage/Handling:** Store powder at room temperature. After opening and between uses, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**

## NURSETTE® BOTTLES

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                          |                                                                                   |                                                                                                                                                    |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|         |  |                                                                   |
| <p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p> | <p>2. <b>SHAKE BOTTLE WELL</b> and remove cap.</p>                                | <p>3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.</p> |

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use formula within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil A+® 2

**Cow's milk-based, iron fortified transitional infant formula for infants 6 months of age or older.**



## INDICATION

Cow's milk-based, iron fortified transitional infant formula for infants 6 months of age or older. Contains age appropriate levels of calcium, iron & protein. Also contains DHA (a type of Omega-3 fat) and two dietary fibres (galactooligosaccharides and polydextrose).

## NUTRIENTS

| Analysis          | per 100 mL<br>(normal dilution or RTF) | per 100 g |
|-------------------|----------------------------------------|-----------|
| Energy (kcal/kJ)  | 68/280                                 | 500/2090  |
| Protein (g)       | 1.76 (Powder)<br>1.8 (RTF & Conc)      | 12.9      |
| % of total energy | 10                                     | 10        |

Source: Nonfat milk (Powder & Conc); skim milk & milk protein isolate (RTF)

|                             |                                         |      |
|-----------------------------|-----------------------------------------|------|
| Carbohydrate (g)            | 7.3 (Powder)<br>7.5 (Conc)<br>7.1 (RTF) | 54   |
| % of total energy           | 42 (Powder & RTF)<br>45 (Conc)          | 42   |
| Galactooligosaccharides (g) | 0.2                                     | 1.49 |
| Polydextrose (g)            | 0.2                                     | 1.49 |

Source: Lactose, corn syrup solids, galactooligosaccharides, polydextrose

|                   |                                  |    |
|-------------------|----------------------------------|----|
| Fat (g)           | 3.6 (Powder & RTF)<br>3.4 (Conc) | 26 |
| % of total energy | 48 (Powder & RTF)<br>45 (Conc)   | 48 |

Source: Palm olein (44%), soy (19.5%), coconut (19.5%), high oleic sunflower oils (14.5%), ARA and DHA single cell oil blend (2.5%)

|                   |                                   |   |
|-------------------|-----------------------------------|---|
| Linoleic Acid (g) | 0.54 (Powder)<br>0.5 (RTF & Conc) | 4 |
|-------------------|-----------------------------------|---|

| Analysis           | per 100 mL<br>(normal dilution or RTF)     | per 100 g |
|--------------------|--------------------------------------------|-----------|
| Linolenic Acid (g) | 0.052 (Powder)<br>0.05 (Conc)<br>0.1 (RTF) | 0.38      |
| ARA (mg)           | 23                                         | 169       |
| DHA (mg)           | 11.5 (Powder & Conc)<br>11 (RTF)           | 84        |
| Minerals           |                                            |           |
| Ash (g)            | 0.68 (Powder)<br>0.61 (Conc)<br>0.47 (RTF) | 5         |
| Calcium (mg)       | 132 (Powder)<br>81 (Conc & RTF)            | 970       |
| Phosphorus (mg)    | 88 (Powder)<br>54 (Conc & RTF)             | 650       |
| Magnesium (mg)     | 5.4                                        | 40        |
| Iron (mg)          | 1.01 (Powder & RTF)<br>1.02 (Conc)         | 7.4       |
| Zinc (mg)          | 0.68                                       | 5         |
| Manganese (mg)     | 0.0101 (Powder & RTF)<br>0.0102 (Conc)     | 0.074     |
| Copper (mg)        | 0.051                                      | 0.37      |
| Iodine (mg)        | 0.0068 (Powder & RTF)<br>0.017 (Conc)      | 0.05      |
| Selenium (mg)      | 0.00189 (Powder & RTF)<br>0.002 (Conc)     | 0.0139    |
| Sodium (mg)        | 24                                         | 179       |
| Potassium (mg)     | 88                                         | 650       |
| Chloride (mg)      | 54                                         | 400       |
| Vitamins           |                                            |           |
| Vitamin A (IU)     | 200                                        | 1490      |
| Vitamin D (IU)     | 41                                         | 300       |
| Vitamin E (IU)     | 1.35 (Powder & RTF)<br>1.36 (Conc)         | 9.9       |
| Vitamin K (mg)     | 0.0061                                     | 0.045     |

| Analysis                     | per 100 mL<br>(normal dilution or RTF)   | per 100 g |
|------------------------------|------------------------------------------|-----------|
| Vitamin C (mg)               | 8.1                                      | 60        |
| Thiamine (mg)                | 0.054                                    | 0.4       |
| Riboflavin (mg)              | 0.095                                    | 0.7       |
| Niacin (mg)                  | 0.68                                     | 5         |
| Pantothenic Acid (mg)        | 0.34                                     | 2.5       |
| Vitamin B <sub>6</sub> (mg)  | 0.041                                    | 0.3       |
| Folic Acid (mg)              | 0.0108 (Powder & RTF)<br>0.0109 (Conc)   | 0.079     |
| Vitamin B <sub>12</sub> (mg) | 0.0002                                   | 0.00149   |
| Biotin (mg)                  | 0.002                                    | 0.0149    |
| Choline (mg)                 | 16.2 (Powder & RTF)<br>16.3 (Conc)       | 119       |
| Inositol (mg)                | 4.1 (Powder & RTF)<br>12.2 (Conc)        | 30        |
| Carnitine (mg)               | 1.35 (Powder & RTF)<br>None added (Conc) | 9.9       |
| Taurine (mg)                 | 4.1 (Powder)<br>3.8 (RTF & Conc)         | 30        |

#### Other Characteristics

|                                              |                                            |
|----------------------------------------------|--------------------------------------------|
| Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 17.6 (Powder)<br>16.9 (Conc)<br>16.6 (RTF) |
| Osmolality (mOsm/kg H <sub>2</sub> O)        | 270 (Powder)<br>280 (Conc)<br>250 (RTF)    |
| Osmolarity (mOsm/L)                          | 240 (Powder)<br>250 (Conc)<br>230 (RTF)    |
| Water (g/100 mL)                             | 89 (Powder)<br>90 (Conc & RTF)             |

Powdered formulas are not sterile. "To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use."<sup>2</sup>

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.
2. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### POWDER

Milk Ingredients, Corn Syrup Solids, Palm Olein Oil, Lactose, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Mortierella Alpina Oil\*, Crypthecodinium Cohnii Oil†, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Manganese Sulfate, Potassium Chloride, Sodium Chloride, Sodium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

### CONCENTRATE

Water, Modified Milk Ingredients, Corn Syrup Solids, Palm Olein Oil, Lactose, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Mortierella Alpina Oil\*, Crypthecodinium Cohnii Oil†, Taurine, Carrageenan, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Iodide, Potassium Citrate, Sodium Selenite And Zinc Sulfate) **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.

### READY TO FEED

Water, Modified Milk Ingredients, Corn Syrup Solids, Lactose, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Mono- And Diglycerides, Soy Lecithin, Mortierella Alpina Oil\*, Carrageenan, Crypthecodinium Cohnii Oil†, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Hydroxide, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Inositol, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> and Vitamin K<sub>1</sub>).

\* A source of ARA.

† A source of DHA.



## PRODUCT FORMS

| Product           | Format      | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|-------------------|-------------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil®<br>A+® 2 | Powder      | 550 g     | 4000 mL<br>(17 bottles x 8 fl oz)            | 18 Months  | 2014690     | Hospital & Retail |
|                   | Powder      | 992 g     | 7300 mL<br>(31 bottles x 8 fl oz)            | 18 Months  | 2014689     | Hospital & Retail |
|                   | Concentrate | 385 mL    | 770 mL<br>(3 bottles x 8 fl oz)              | 12 Months  | 2015336     | Hospital & Retail |
|                   | RTF         | 237 mL    | 237 mL<br>(1 bottle x 8 fl oz)               | 12 Months  | 2050852     | Hospital & Retail |

## PREPARATION OF FEEDINGS

### POWDER

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Powdered infant formulas are not sterile and should **not** be fed to premature infants or infants who might have immune problems unless directed and supervised by your baby's doctor. Ask your baby's doctor which formula is appropriate for your baby.



1. Wash hands thoroughly with soap and water before preparing formula.



2. Pour desired amount of water into the bottle. Add powder.



3. Cap bottle and **SHAKE WELL**.

Use the chart below for the correct amounts of water and powder. Use scoop in tub to measure powder. Store **DRY** scoop in this tub.

| To Make       | Water            | Powder                         |
|---------------|------------------|--------------------------------|
| 60 mL bottle  | 60 mL (1/4 cup)  | 1 unpacked level <b>scoop</b>  |
| 120 mL bottle | 120 mL (1/2 cup) | 2 unpacked level <b>scoops</b> |
| 180 mL bottle | 180 mL (3/4 cup) | 3 unpacked level <b>scoops</b> |
| 240 mL bottle | 240 mL (1 cup)   | 4 unpacked level <b>scoops</b> |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Once prepared, infant formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within one hour or discard.

**Storage/Handling:** Store powder at room temperature. After opening and between uses, keep tightly covered, store in a dry area, and use contents within 1 month. Do not freeze powder and avoid excessive heat.

## CONCENTRATE

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Use as directed by your baby's doctor.

|                                                                                    |                                                                                    |                                                                                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                      |
| 1. Wash hands thoroughly with soap and water before preparing formula.             | 2. Clean top of can, <b>SHAKE WELL</b> and open.                                   | 3. Pour desired amount of water into the bottle. Add an <b>equal</b> amount of concentrated liquid. Cap bottle and <b>SHAKE WELL</b> . |

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened cans and prepared formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened can and/or prepared formula if they are unrefrigerated for more than a

total of 2 hours. Do not freeze formula. After feeding begins, use within one hour or discard.

**Storage:** Store unopened cans at room temperature. Avoid excessive heat. Do not freeze.

## READY TO FEED

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing infant formula. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.



1. Wash hands thoroughly with soap and water before preparing bottle for feeding.



2. **SHAKE BOTTLE WELL, remove protective seal around cap,** remove cap and foil seal.



3. Attach NIPPLE UNIT (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Open bottles and prepared bottles can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. Do not use opened bottle or prepared bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze formula. After feeding begins, use formula within one hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.



# Enfamil® Sterile Water

Sterile water for oral use only.

U Pareve (manufactured on dairy equipment) M IFANCA

## INDICATION

Water for oral use only.

## INGREDIENT

Water

## PRODUCT FORMS

| Product                | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil® Sterile Water | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 12 Months  | 1215250     | Hospital only |

Nutrients – N/A

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant feedings. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.



1. Wash hands thoroughly with soap and water before preparing bottle for feeding.



2. Remove cap.



3. Attach **DISPOSABLE NIPPLE UNIT** (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use.

Upon opening, either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm water. Serious burns may result.

**WARNING:** Not for parenteral (I.V.) use.

This water is ready for use as drinking water or for other oral purposes as directed by your baby's doctor.

**STORAGE:** Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**



# Enfamil® Sterile Water – 946 mL

Sterile water for oral use only.

Please contact your Hospital Account Manager for product access and contract inclusion.

U Pareve (manufactured on dairy equipment) M IFANCA

## INDICATION

Water for oral use only.

## INGREDIENT

Water

## PRODUCT FORMS

| Product                         | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|---------------------------------|--------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil® Sterile Water – 946 mL | Liquid | 946 mL    | 946 mL/unit                                  | 12 months  | 3130303     | Hospital only |

Nutrients – N/A

## PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, use and storage are important when preparing infant feedings. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

**This product is for use in preparing feeds in centralized preparation rooms.**

Upon opening, either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm water. Serious burns may result.

**WARNING:** Not for parenteral (I.V.) use.

This water is ready for use as drinking water or for other oral purposes as directed by your baby's doctor.

**STORAGE:** Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON BOTTLE**



# Enfamil® 5% Glucose in Water

5% glucose in water. For oral use only.

Ⓢ Pareve (manufactured on dairy equipment) Ⓜ IFANCA

## INDICATION

5% glucose in water. For oral use only.

## INGREDIENTS

Water, Dextrose

## NUTRIENTS

| Nutrition Facts | per 1 Nursette® bottle (59 mL) |
|-----------------|--------------------------------|
| Calories        | 10                             |
| Fat             | 0 g                            |
| Carbohydrate    | 3 g                            |
| Sugars          | 3 g                            |
| Protein         | 0 g                            |

Not a significant source of sodium, fibre, vitamin A, vitamin C, calcium or iron

## PRODUCT FORMS

| Product                      | Format           | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability  |
|------------------------------|------------------|-----------|----------------------------------------------|------------|-------------|---------------|
| Enfamil® 5% Glucose in Water | Nursette® Bottle | 59 mL     | 59 mL (2 fl oz)                              | 21 Months  | 1216351     | Hospital only |



# PREPARATION OF FEEDINGS

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, use and storage are important when preparing infant feedings. Use as directed by your baby's doctor.

**Inspect** each bottle for signs of damage.

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. Remove cap.                                                                    | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

Upon opening, either feed immediately or replace cap and store in refrigerator at 2-4°C [35-40°F] for no longer than 24 hours. After feeding begins, do not refrigerate feeding bottle. You must use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**STORAGE:** Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze.

**WARNING:** Not for parenteral (I.V.) use.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**

A photograph of a young Black father and his infant child playing on a grey carpet. The father is lying on his side, smiling and looking at the baby. The baby is lying on its stomach, looking up at the father. A colorful rattle is on the carpet between them. The background is a blurred living room with a white sofa and blue cushions. The top of the image has a blue decorative banner with icons of a lightbulb, heart, and gears.

**Enfamil**A<sup>+</sup>

TM &  
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# Toddler Products

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).



# Enfagrow A<sup>+</sup>®

Cow's milk-based, nutritional supplement designed for children 1-5 years of age.

U D M IFANCA

## INDICATION

Cow's milk-based, nutritional supplement designed for children 1-5 years of age. Contains 23 vitamins and minerals including age appropriate levels of calcium and iron, as well as DHA (a type of Omega-3 fat) and two dietary fibres (galactooligosaccharides and polydextrose).

## NUTRIENTS

| Analysis                    | per 200 mL Serving<br>Reconstituted<br>(36 g or 3 unpacked<br>level scoops of<br>powder) | Amount per<br>serving (Ready to<br>Drink) |
|-----------------------------|------------------------------------------------------------------------------------------|-------------------------------------------|
| Energy (kcal/kJ)            | 160/670                                                                                  | 160/670                                   |
| Protein (g)                 | 6.4                                                                                      | 6.4                                       |
| Fat (g)                     | 6.3                                                                                      | 5.2                                       |
| Linoleic Acid (g)           | 0.9                                                                                      | 0.8                                       |
| Linolenic Acid (g)          | 0.1                                                                                      | 0.1                                       |
| Saturated (g)               | 2.6                                                                                      | 2.1                                       |
| Docosahexaenoic acid (mg)   | 26                                                                                       | 26                                        |
| Carbohydrate (g)            | 20                                                                                       | 22                                        |
| Galactooligosaccharides (g) | 0.4                                                                                      | 0.4                                       |
| Polydextrose (g)            | 0.4                                                                                      | 0.4                                       |
| Sodium (mg)                 | 80                                                                                       | 95                                        |
| Potassium (mg)              | 300                                                                                      | 300                                       |
| Vitamin A (RE)              | 250                                                                                      | 177                                       |
| Vitamin D (mg)              | 0.0009                                                                                   | 0.0009                                    |
| Vitamin E (mg)              | 1.81                                                                                     | 1.81                                      |
| Vitamin C (mg)              | 10                                                                                       | 10                                        |
| Thiamine (mg)               | 0.3                                                                                      | 0.3                                       |

| Analysis                     | per 200 mL Serving<br>Reconstituted<br>(36 g or 3 unpacked<br>level scoops of<br>powder) | Amount per<br>serving (Ready to<br>Drink) |
|------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------|
| Riboflavin (mg)              | 0.36                                                                                     | 0.36                                      |
| Niacin (mg)                  | 5.8                                                                                      | 5.4                                       |
| Pantothenic Acid (mg)        | 1.13                                                                                     | 1.13                                      |
| Vitamin B <sub>6</sub> (mg)  | 0.36                                                                                     | 0.36                                      |
| Folacin (mg)                 | 0.057                                                                                    | 0.057                                     |
| Vitamin B <sub>12</sub> (mg) | 0.0002                                                                                   | 0.0002                                    |
| Biotin (mg)                  | 0.03                                                                                     | 0.03                                      |
| Calcium (mg)                 | 250                                                                                      | 220                                       |
| Phosphorus (mg)              | 187                                                                                      | 187                                       |
| Magnesium (mg)               | 38                                                                                       | 38                                        |
| Iron (mg)                    | 2.5                                                                                      | 2.5                                       |
| Zinc (mg)                    | 2.6                                                                                      | 2.6                                       |
| Manganese (mg)               | 0.86                                                                                     | 0.86                                      |
| Copper (mg)                  | 0.3                                                                                      | 0.3                                       |
| Iodine (mg)                  | 0.015 (milk flavour)<br>0.024 (vanilla flavour)                                          | 0.04                                      |
| Chloride (mg)                | 180                                                                                      | 180                                       |

| % Daily Value |                                   |                                      |
|---------------|-----------------------------------|--------------------------------------|
|               | Children less than<br>2 years old | Children 2 years of age<br>and older |
| Calcium       | 50% (Powder)<br>40% (RTD)         | 25% (Powder)<br>20% (RTD)            |
| Iron          | 35% (Powder)<br>40% (RTD)         | 20%                                  |

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

### VANILLA FLAVOUR POWDER

Skim Milk Powder, Sugars (Corn Syrup Solids, Sugar), Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Microencapsulated Tuna Oil\* (Tuna Oil, Sodium Caseinate, Dried

Glucose Syrup, Dextrose, Sodium Ascorbate, Tocopherols, Soy Lecithin), Natural and Artificial Vanilla Flavour, Soy Lecithin, Ascorbyl Palmitate, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate and Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate and Vitamin D<sub>3</sub>).

\* A source of DHA.

### MILK FLAVOUR POWDER

Skim Milk Powder, Sugars (Corn Syrup Solids), Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Microencapsulated Tuna Oil\* (Tuna Oil, Sodium Caseinate, Dried Glucose Syrup, Dextrose, Sodium Ascorbate, Tocopherols and Soy Lecithin), Soy Lecithin, Natural Flavor, Ascorbyl Palmitate (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate and Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Sodium Ascorbate, Thiamine Hydrochloride, Vitamin A Palmitate and Vitamin D<sub>3</sub>).

\* A source of DHA.

### VANILLA FLAVOUR READY TO FEED

Water, Nonfat Milk Powder, Corn Syrup Solids, Palm Olein Oil, Sugar, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Mono- And Diglycerides, Natural and Artificial Flavours, Cryptocodinium Cohnii Oil\*, Carrageenan, Cellulose Gum, Cellulose Gel, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Chloride And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate and Vitamin D<sub>3</sub>).

\* A source of DHA.

### MILK FLAVOUR READY TO FEED

Water, Nonfat Milk Powder, Corn Syrup Solids, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Natural Flavour, Mono- And Diglycerides, Cryptocodinium Cohnii Oil\*, Carrageenan, Cellulose Gum, Cellulose Gel, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Chloride And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate and Vitamin D<sub>3</sub>).

\* A source of DHA.

## PRODUCT FORMS

| Product                                                 | Format         | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability |
|---------------------------------------------------------|----------------|-----------|----------------------------------------------|------------|-------------|--------------|
| Enfagrow A+® Toddler Nutritional Drink, Vanilla Flavour | Powder         | 907 g     | 25 x 200 mL                                  | 18 Months  | 3181752     | Retail only  |
|                                                         | Ready to Drink | 237 mL    | 237 mL (1 bottle x 8 fl oz )                 | 12 Months  | 2053715     | Retail only  |
| Enfagrow A+® Toddler Nutritional Drink, Milk Flavour    | Powder         | 907 g     | 26 x 200 mL                                  | 18 Months  | 3181749     | Retail only  |
|                                                         | Ready to Drink | 237 mL    | 237 mL (1 bottle x 8 fl oz )                 | 12 Months  | 2053714     | Retail only  |

## PREPARATION OF FEEDINGS

### POWDER

Enfagrow A+® is for children 1-5 years old and not intended for infants under 1 year of age.

|                                                                                                             |                                                                                   |                                                                                   |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                            |  |  |
| 1. To make 1 (200 mL) serving, add <b>3</b> unpacked level <b>scoops</b> of powder to 175 mL of warm water. | 2. Mix until smooth.                                                              | 3. Refrigerate and use within 48 hours.                                           |

**Storage:** After opening can, store tightly covered at room temperature in a dry area and use contents within 1 month. Store **DRY** scoop in the can.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**

## **READY TO DRINK**

Shake well before opening. Remove protective seal around bottle cap, remove bottle cap and foil seal, and serve. Refrigerate after opening and use within 48 hours.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat and prolonged exposure to light. Do not freeze.

**DO NOT ACCEPT IF PACKAGE HAS BEEN OPENED. DO NOT USE IF PROTECTIVE SEAL AROUND BOTTLE CAP, OR IF FOIL SEAL UNDER BOTTLE CAP, IS DAMAGED OR MISSING.**

**USE BY EXPIRATION DATE ON CARTON AND BOTTLE**

A newborn baby is lying on its back, looking up towards a healthcare professional whose face is partially visible on the right side of the frame. The baby is unclothed, and the professional is wearing a white lab coat. The background is a soft, out-of-focus white.The logo for Enfamil A+ is located in the top left corner. It features the brand name "Enfamil A+" in a white serif font on a dark blue background. Above the text is a gold ribbon bow. The background of the top left corner of the entire image is a blue pattern with white icons of a lightbulb, a heart, a gear, and a hexagon.

**Enfamil A<sup>+</sup>**

# Medical Products

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).





# Portagen®

A milk-protein based powder with medium-chain triglycerides (MCT) for adults and children.



## INDICATION

A milk-protein based powder with medium-chain triglycerides (MCT) for adults and children.

## NUTRIENTS

| Analysis                          | per 100 mL | per 100 g | Per 946 mL<br>30 kcal/30 mL |
|-----------------------------------|------------|-----------|-----------------------------|
| Energy (kcal/kJ)                  | 101/420    | 470/1970  | 960/4020                    |
| Protein (g)                       | 3.7        | 17        | 35                          |
| % of total energy                 | 14         | 14        | 14                          |
| Source: Sodium caseinate          |            |           |                             |
| Carbohydrate (g)                  | 11.6       | 54        | 110                         |
| % of total energy                 | 46         | 46        | 46                          |
| Source: Corn syrup solids, sugar  |            |           |                             |
| Fat (g)                           | 4.7        | 22        | 45                          |
| % of total energy                 | 40         | 40        | 40                          |
| Source: MCT (87%), corn oil (13%) |            |           |                             |
| Linoleic Acid (g)                 | 0.28       | 1.3       | 2.7                         |
| Minerals                          |            |           |                             |
| Calcium (mg)                      | 95         | 440       | 900                         |
| Phosphorus (mg)                   | 71         | 330       | 670                         |
| Magnesium (mg)                    | 21         | 96        | 200                         |
| Iron (mg)                         | 1.89       | 8.8       | 17.9                        |
| Zinc (mg)                         | 0.95       | 4.4       | 9                           |
| Manganese (mg)                    | 0.127      | 0.59      | 1.2                         |
| Copper (mg)                       | 0.159      | 0.74      | 1.51                        |
| Iodine (mg)                       | 0.0071     | 0.033     | 0.067                       |

| Analysis                                               | per 100 mL | per 100 g | Per 946 mL<br>30 kcal/30 mL |
|--------------------------------------------------------|------------|-----------|-----------------------------|
| Selenium (mg)                                          | n/a        | n/a       | n/a                         |
| Sodium (mg)                                            | 52         | 240       | 490                         |
| Potassium (mg)                                         | 127        | 590       | 1200                        |
| Chloride (mg)                                          | 86         | 400       | 820                         |
| <b>Vitamins</b>                                        |            |           |                             |
| Vitamin A (IU)                                         | 340        | 1560      | 3200                        |
| Vitamin D (IU)                                         | 28         | 130       | 270                         |
| Vitamin E (IU)                                         | 1.59       | 7.4       | 15.1                        |
| Vitamin K (mg)                                         | 0.008      | 0.037     | 0.075                       |
| Vitamin C (mg)                                         | 3.9        | 18        | 37                          |
| Thiamine (mg)                                          | 0.08       | 0.37      | 0.75                        |
| Riboflavin (mg)                                        | 0.095      | 0.44      | 0.9                         |
| Niacin (mg)                                            | 1.05       | 4.9       | 10                          |
| Pantothenic Acid (mg)                                  | 0.54       | 2.5       | 5.1                         |
| Vitamin B <sub>6</sub> (mg)                            | 0.105      | 0.49      | 1                           |
| Folic Acid (mg)                                        | 0.0101     | 0.047     | 0.0960                      |
| Vitamin B <sub>12</sub> (mg)                           | 0.00032    | 0.0015    | 0.0031                      |
| Biotin (mg)                                            | 0.0039     | 0.018     | 0.037                       |
| Choline (mg)                                           | 13.5       | 63        | 128                         |
| Inositol (mg)                                          | nd         | nd        | nd                          |
| Carnitine (mg)                                         | 2.9        | 13.3      | 27                          |
| Taurine (mg)                                           | n/a        | n/a       | n/a                         |
| <b>Other Characteristics</b>                           |            |           |                             |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> |            |           | 31                          |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  |            |           | 350                         |
| Osmolarity (mOsm/L)                                    |            |           | 300                         |
| Water (g/100 mL)                                       |            |           | 87                          |

n/a = None added

nd = Not declared

Portagen® should be used only under the supervision of a physician or dietitian.

This product is not nutritionally complete. If used long term, supplementation of essential fatty acids and ultra-trace minerals should be considered.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Medium Chain Triglycerides (Fractionated Coconut Oil), Sodium Caseinate, Sugar, Corn Oil, Soy Lecithin, L-Carnitine, (May Contain Potassium Hydroxide And/Or Hydrochloric Acid), **Minerals** (Calcium Citrate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Phosphate, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium D-Pantothenate, Choline Chloride, DL- $\alpha$ -Tocopheryl Acetate, Folic Acid, Niacinamide, Pyridoxine Hydrochloride, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin D<sub>3</sub> And Vitamin K<sub>1</sub>).

## PRODUCT FORMS

| Product   | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability |
|-----------|--------|-----------|----------------------------------------------|------------|-------------|--------------|
| Portagen® | Powder | 410 g     | 1.9 L @ 30 kcal/30 mL                        | 24 Months  | 2032499     | Hospital     |

## PREPARATION OF FEEDINGS

**USE AS DIRECTED BY YOUR PHYSICIAN OR DIETITIAN.**

**PORTAGEN® POWDER IS NOT DESIGNED FOR USE AS AN INFANT FORMULA.**

Portagen® powder is a readily-digestible protein, fat and carbohydrate source that can be made into a nutritional beverage to supplement the diet.

**Portagen® powder is not intended as a sole source of nutrition. For chronic (long-term) use: Supplementation of essential fatty acids and ultra trace minerals should be considered. To be used only as directed by your doctor.**

**WARNING: The consumer's health depends on carefully following the instructions below. Use only as directed by a medical professional. Improper hygiene, preparation, dilution, use or storage may result in severe harm. Nutritional powders are not sterile and should not be fed to premature infants or those persons who might have immune problems unless directed and supervised by a medical professional.**

- For 946 mL (32 US fl oz) of prepared product, add 1 2/3 packed level measuring cups (204 g) of powder to 790 mL (27 US fl oz) of water.\*
- For approximately 131 mL (4.5 US fl oz) of prepared product, add 3 packed level scoops (28.2 g) to 110 mL (3.5 US fl oz) of water.\*
- Both preparations will result in 30 kcal/30 mL of prepared products. For other volumes prepare as directed by your doctor.
- Pour desired amount of water into a suitable container. Add powder and mix vigorously until thoroughly blended.

This 410 g can of PORTAGEN® will make approximately 1.9 L (2 US quarts) of beverage at 30 kcal/30 mL.\*

**Failure to follow these instructions could result in severe harm. Once prepared, product can spoil quickly.** Either consume immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Shake well before each use. Do not use prepared product if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared product. After feeding begins, do not refrigerate the container. You must use within 1 hour or discard.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat.

**WARNING:** Not for parenteral (I.V.) use.

\* Using mL measurements are the most accurate for meeting target caloric density;  
US fl oz values are approximations and are based on US conversion factors.

**USE BY EXPIRATION DATE ON BOTTOM OF CAN**



# Enfamil® Enfalyte®

## Oral Electrolyte Solution

Oral electrolyte maintenance solution.  
Light cherry flavour.

① Pareve (manufactured on dairy equipment)  IFANCA

## INDICATION

Oral electrolyte maintenance solution. Helps promote fluid absorption.

## NUTRIENTS

| Analysis                                       | per 100 mL |
|------------------------------------------------|------------|
| Energy (kcal/kJ)                               | 12.6/53    |
| Protein (g)                                    | 0          |
| Carbohydrate (g)                               | 3.2        |
| % of total energy                              | 100        |
| Source: Corn syrup solids (94%), citrates (6%) |            |
| Fat (g)                                        | 0          |

| Electrolytes   | Per 100 mL | g/litre | mMol/litre |
|----------------|------------|---------|------------|
| Sodium (mg)    | 115        | 1.15    | 50         |
| (mMol)         | 5          |         |            |
| Potassium (mg) | 98         | 0.98    | 25         |
| (mMol)         | 2.5        |         |            |
| Citrate        | –          | 2.10    | 11         |
| Chloride (mg)  | 160        | 1.60    | 45         |
| (mMol)         | 4.5        |         |            |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 12  |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  | 200 |
| Osmolarity (mOsm/L)                                    | 200 |
| Water content (g/100 mL)                               | 98  |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

**Medicinal Ingredients:** Potassium Citrate, Sodium Chloride, Citric Acid, Sodium Citrate.

**Non-Medicinal Ingredients:** Water, Corn Syrup Solids and Natural Flavour.

## PRODUCT FORMS

| Product                                               | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life   | Item Number | Availability     |
|-------------------------------------------------------|--------|-----------|----------------------------------------------|--------------|-------------|------------------|
| Enfamil®<br>Enfalyte® Oral<br>Electrolyte<br>Solution | Bottle | 177 mL    | 177 mL                                       | 12<br>Months | 2021478     | Hospital<br>only |

**Your baby's health depends on carefully following the instructions below.** Proper hygiene, preparation, use and storage are important when preparing infant feedings. Use as directed by your baby's doctor. **Inspect** each bottle for signs of damage.

## PREPARATION OF FEEDINGS

### RTF

|                                                                                   |                                                                                   |                                                                                                                                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |
| 1. Wash hands thoroughly with soap and water before preparing bottle for feeding. | 2. Remove cap.                                                                    | 3. Attach <b>DISPOSABLE NIPPLE UNIT</b> (not included) or ask your baby's doctor about the need to boil a clean nipple in water before use. |

**Caution:** Do not use a microwave oven to warm formula. Serious burns may result.

**Failure to follow these instructions could result in severe harm. Opened bottles and prepared bottles can spoil quickly.** Upon opening, either feed immediately or replace cap and store in refrigerator at 2-4°C (35-40°F) for no longer than 48 hours. After feeding begins, do not refrigerate opened bottle. You must use within 1 hour or discard.

**Storage:** Store unopened bottles at room temperature. Avoid excessive heat. Do not freeze.

**WARNING:** Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids. Not for parenteral (I.V.) use.

**DO NOT USE IF CAP RING IS BROKEN OR MISSING**

**USE BY EXPIRATION DATE ON BOTTLE**

Oral feedings of Enfamil® Enfalyte® may be used for maintenance of water and electrolytes lost during diarrhea and vomiting in infants, children and adults.

**NOTE:** ENFALYTE ORAL ELECTROLYTE SOLUTION HAS AN OSMOLALITY OF APPROXIMATELY 200 mOsm/kg OF WATER AND CONTAINS 31.5 g OF CORN SYRUP SOLIDS PER LITER. EACH 100 mL OF ENFALYTE SUPPLIES ABOUT 12 CALORIES; EACH FL OZ, ABOUT 3.5 CALORIES.

**THIS PRODUCT SHOULD BE USED ONLY AS DIRECTED BY YOUR BABY'S DOCTOR. IF VOMITING OR FEVER IS PRESENT, OR DIARRHEA CONTINUES BEYOND 24 HOURS, CONSULT YOUR BABY'S DOCTOR.**

A photograph of a baby sitting on a white surface, looking up at a doctor's hands. The doctor is wearing a white coat and has a stethoscope around their neck. The baby is wearing a white diaper. The background is a bright, clinical setting.

**Enfamil A<sup>+</sup>** TM & MC

# Metabolics

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).





# Phenyl-Free® 1

Phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented phenylketonuria (PKU).



## INDICATION

Phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented phenylketonuria (PKU).

## NUTRIENTS

| Analysis                                                                                                                                     | per 100 mL | per 100 g |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|
| Energy (kcal/kJ)                                                                                                                             | 68/280     | 500/2100  |
| Protein equivalent (g)                                                                                                                       | 2.2        | 16.2      |
| % of total energy                                                                                                                            | 13         | 13        |
| Source: Amino acid premix                                                                                                                    |            |           |
| Carbohydrate (g)                                                                                                                             | 6.9        | 51        |
| % of total energy                                                                                                                            | 40         | 40        |
| Source: Corn syrup solids, modified corn starch, sugar                                                                                       |            |           |
| Fat (g)                                                                                                                                      | 3.5        | 26        |
| % of total energy                                                                                                                            | 47         | 47        |
| Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%) |            |           |
| Linoleic Acid (g)                                                                                                                            | 0.54       | 4         |
| Linolenic Acid (g)                                                                                                                           | 0.046      | 0.34      |
| ARA (mg)                                                                                                                                     | 24         | 175       |
| DHA (mg)                                                                                                                                     | 11.9       | 88        |
| Minerals                                                                                                                                     |            |           |
| Calcium (mg)                                                                                                                                 | 89         | 660       |
| (mMol)                                                                                                                                       | 2.2        | 16.5      |
| Phosphorus (mg)                                                                                                                              | 59         | 440       |
| (mMol)                                                                                                                                       | 1.92       | 14.2      |
| Magnesium (mg)                                                                                                                               | 8.9        | 66        |
| (mMol)                                                                                                                                       | 0.37       | 2.7       |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Iron (mg)                    | 1.3        | 9.6       |
| Zinc (mg)                    | 1.16       | 8.6       |
| Manganese (mg)               | 0.051      | 0.38      |
| Copper (mg)                  | 0.116      | 0.86      |
| Iodine (mg)                  | 0.0103     | 0.076     |
| Selenium (mg)                | 0.0019     | 0.0141    |
| Sodium (mg)                  | 32         | 240       |
| (mMol)                       | 1.41       | 10.4      |
| Potassium (mg)               | 76         | 560       |
| (mMol)                       | 1.93       | 14.3      |
| Chloride (mg)                | 58         | 430       |
| (mMol)                       | 1.64       | 12.1      |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 210        | 1520      |
| Vitamin D (IU)               | 51         | 380       |
| Vitamin E (IU)               | 1.35       | 10        |
| Vitamin K (mg)               | 0.0059     | 0.044     |
| Vitamin C (mg)               | 8.1        | 60        |
| Thiamine (mg)                | 0.135      | 1         |
| Riboflavin (mg)              | 0.135      | 1         |
| Niacin (mg)                  | 1.35       | 10        |
| Pantothenic Acid (mg)        | 0.51       | 3.8       |
| Vitamin B <sub>6</sub> (mg)  | 0.135      | 1         |
| Folic Acid (mg)              | 0.0135     | 0.1       |
| Vitamin B <sub>12</sub> (mg) | 0.00027    | 0.002     |
| Biotin (mg)                  | 0.0051     | 0.038     |
| Choline (mg)                 | 16.7       | 124       |
| Inositol (mg)                | 11.6       | 86        |
| Carnitine (mg)               | 6.9        | 51        |
| Taurine (mg)                 | 4.1        | 30        |

| Other Characteristics                                  |      |
|--------------------------------------------------------|------|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 19.5 |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 350  |
| Osmolarity (mOsm/L)*                                   | 320  |
| Water (g/100 mL)                                       | 90   |

All metabolic products are for use under the direct and continuing supervision of a doctor or metabolic dietitian.

This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine to support growth, using other foods with this amino acid as required.

Nutritional powders are not sterile.

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.68 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Vegetable Oil (Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil), Amino Acids (L-Glutamine, L-Leucine, Potassium Aspartate, L-Lysine Hydrochloride, L-Tyrosine, L-Proline, L-Valine, L-Isoleucine, L-Alanine, L-Arginine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Modified Corn Starch, Sugar, Mortierella Alpina Oil<sup>†</sup>, Cryptocodinium Cohnii Oil<sup>‡</sup>, Ethyl Vanillin, L-Carnitine, Taurine, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Choline Chloride, Cupric Sulfate, Ferrous Sulfate, Inositol, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium Pantothenate, Folic Acid, Niacinamide, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin B<sub>6</sub> Hydrochloride, Vitamin D<sub>3</sub>, Vitamin E Acetate And Vitamin K<sub>1</sub>).

<sup>†</sup> A source of Arachidonic Acid (ARA).

<sup>‡</sup> A source of Docosahexaenoic Acid (DHA).

## PRODUCT FORMS

| Product                    | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|----------------------------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| Phenyl-Free <sup>®</sup> 1 | Powder | 454 g     | Yield Not Applicable to Metabolics           | 18 Months  | 2001922     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson Phenyl-Free<sup>®</sup> 1** is to be used only in the dietary management of infants and young children with documented phenylketonuria under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine to support growth, using other foods with phenylalanine as required. Medical professionals must carefully and constantly supervise the use of Phenyl-Free® 1 with other foods and liquids and adjust the diet based on frequent blood tests.

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered products are not sterile and should **not** be fed to premature infants or those persons who might have immune problems unless directed and supervised by your baby's doctor.

|                                                                                                                                                                             |                                                                                                       |                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                            |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps, scoop and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL</b>.</p> |

**Your baby's doctor will provide instructions for the correct amount of cooled, boiled water and powder.** If instructed to use the scoop in the can, each scoop (unpacked and level) delivers **approximately 4.5 g** of powder. Store the **DRY** scoop in this can.

**Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.



# Phenyl-Free® 2

Phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).



## INDICATION

Phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 85/360     | 410/1720  |
| Protein equivalent (g) | 4.6        | 22        |
| % of total energy      | 22         | 22        |

Source: Amino Acid Premix

|                   |      |    |
|-------------------|------|----|
| Carbohydrate (g)  | 12.4 | 60 |
| % of total energy | 59   | 59 |

Source: Sugar, corn syrup solids, modified corn starch

|                   |      |     |
|-------------------|------|-----|
| Fat (g)           | 1.78 | 8.6 |
| % of total energy | 19   | 19  |

Source: Soy oil

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.87  | 4.2  |
| Linolenic Acid (g) | 0.108 | 0.52 |

### Minerals

|                 |      |      |
|-----------------|------|------|
| Calcium (mg)    | 151  | 730  |
| (mMol)          | 3.8  | 18.2 |
| Phosphorus (mg) | 151  | 730  |
| (mMol)          | 4.9  | 24   |
| Magnesium (mg)  | 34   | 163  |
| (mMol)          | 1.39 | 6.7  |
| Iron (mg)       | 2.5  | 12.2 |
| Zinc (mg)       | 2.5  | 12.2 |

| Analysis                                               | per 100 mL | per 100 g |
|--------------------------------------------------------|------------|-----------|
| Manganese (mg)                                         | 0.27       | 1.31      |
| Copper (mg)                                            | 0.25       | 1.22      |
| Iodine (mg)                                            | 0.013      | 0.063     |
| Selenium (mg)                                          | 0.006      | 0.029     |
| Sodium (mg)                                            | 126        | 610       |
| (mMol)                                                 | 5.5        | 27        |
| Potassium (mg)                                         | 230        | 1100      |
| (mMol)                                                 | 5.8        | 28        |
| Chloride (mg)                                          | 178        | 860       |
| (mMol)                                                 | 5          | 24        |
| Vitamins                                               |            |           |
| Vitamin A (IU)                                         | 300        | 1430      |
| Vitamin D (IU)                                         | 60         | 290       |
| Vitamin E (IU)                                         | 2          | 9.8       |
| Vitamin K (mg)                                         | 0.0085     | 0.041     |
| Vitamin C (mg)                                         | 10.1       | 49        |
| Thiamine (mg)                                          | 0.25       | 1.22      |
| Riboflavin (mg)                                        | 0.2        | 0.98      |
| Niacin (mg)                                            | 4.6        | 22        |
| Pantothenic Acid (mg)                                  | 1.01       | 4.9       |
| Vitamin B <sub>6</sub> (mg)                            | 0.2        | 0.98      |
| Folic Acid (mg)                                        | 0.072      | 0.35      |
| Vitamin B <sub>12</sub> (mg)                           | 0.0005     | 0.0024    |
| Biotin (mg)                                            | 0.0101     | 0.049     |
| Choline (mg)                                           | 20         | 98        |
| Inositol (mg)                                          | 10.1       | 49        |
| Carnitine (mg)                                         | 10.1       | 49        |
| Taurine (mg)                                           | 10.1       | 49        |
| Other Characteristics                                  |            |           |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> |            | 47        |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 |            | 920       |
| Osmolarity (mOsm/L)*                                   |            | 790       |
| Water (g/100 mL)                                       |            | 86        |

Use only as directed by a medical professional.

Powder medical foods are not sterile.

**WARNING: This protein is incomplete since it does not contain the essential amino acid phenylalanine.**

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.85 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Sugar, Amino Acids (L-Glutamine, L-Leucine, Potassium Aspartate, L-Lysine Hydrochloride, L-Tyrosine, L-Proline, L-Valine, L-Isoleucine, L-Alanine, L-Arginine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Corn Syrup Solids, Soy Oil, Modified Corn Starch, Calcium Phosphate, Sodium Citrate, Magnesium Phosphate, Potassium Chloride, And Less Than 1%: Sodium Phosphate, Potassium Citrate, Choline Chloride, Ascorbic Acid, Taurine, Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, Niacinamide, Vitamin E Acetate, Vitamin A Palmitate, Calcium Pantothenate, Cupric Sulfate, Manganese Sulfate, Vitamin B<sub>12</sub>, Thiamin Hydrochloride, Vitamin B<sub>6</sub> Hydrochloride, Riboflavin, Folic Acid, Vitamin D<sub>3</sub>, Chromic Chloride, Sodium Molybdate, Sodium Iodide, Sodium Selenite, Biotin, Vitamin K<sub>1</sub>, Ethyl Vanillin.

## PRODUCT FORMS

| Product        | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|----------------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| Phenyl-Free® 2 | Powder | 454 g     | Yield Not Applicable to Metabolics           | 24 Months  | 1281335     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson Phenyl-Free® 2** is to be used only in the dietary management of children and adults with documented Phenylketonuria while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required.

**Phenyl-Free® 2** must be supplemented using other food sources of protein and fluid to provide enough phenylalanine to support dietary requirements of children and adults.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your medical professional will provide the correct amount of powder to mix with water for consumption.\***

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of **Phenyl-Free® 2**. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

\* If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 14.4 g** of powder. Store the **DRY** scoop in this can.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.





# Phenyl-Free® 2 HP

High protein phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).



## INDICATION

High protein phenylalanine-free powder for dietary management of children and adults (3 years and older) with phenylketonuria (PKU).

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 85/360     | 390/1630  |
| Protein equivalent (g) | 8.6        | 40        |
| % of total energy      | 41         | 41        |

Source: Amino acid premix

|                   |     |    |
|-------------------|-----|----|
| Carbohydrate (g)  | 9.5 | 44 |
| % of total energy | 44  | 44 |

Source: Sugar, corn syrup solids, amino acid premix, modified corn starch

|                   |      |     |
|-------------------|------|-----|
| Fat (g)           | 1.36 | 6.3 |
| % of total energy | 15   | 15  |

Source: Soy oil

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.65  | 3    |
| Linolenic Acid (g) | 0.082 | 0.38 |

### Minerals

|                 |      |      |
|-----------------|------|------|
| Calcium (mg)    | 210  | 980  |
| (mMol)          | 5.3  | 24   |
| Phosphorus (mg) | 210  | 980  |
| (mMol)          | 6.8  | 32   |
| Magnesium (mg)  | 63   | 290  |
| (mMol)          | 2.6  | 11.9 |
| Iron (mg)       | 3.4  | 15.7 |
| Zinc (mg)       | 3.4  | 15.7 |
| Manganese (mg)  | 0.34 | 1.57 |
| Copper (mg)     | 0.34 | 1.57 |

| Analysis                                               | per 100 mL | per 100 g |
|--------------------------------------------------------|------------|-----------|
| Iodine (mg)                                            | 0.0108     | 0.05      |
| Selenium (mg)                                          | 0.0078     | 0.036     |
| Sodium (mg)                                            | 89         | 410       |
| (mMol)                                                 | 3.9        | 17.8      |
| Potassium (mg)                                         | 250        | 1180      |
| (mMol)                                                 | 6.5        | 30        |
| Chloride (mg)                                          | 210        | 980       |
| (mMol)                                                 | 6          | 28        |
| Vitamins                                               |            |           |
| Vitamin A (IU)                                         | 420        | 1960      |
| Vitamin D (IU)                                         | 84         | 390       |
| Vitamin E (IU)                                         | 2.5        | 11.8      |
| Vitamin K (mg)                                         | 0.011      | 0.051     |
| Vitamin C (mg)                                         | 13.6       | 63        |
| Thiamine (mg)                                          | 0.34       | 1.57      |
| Riboflavin (mg)                                        | 0.28       | 1.29      |
| Niacin (mg)                                            | 6.3        | 29        |
| Pantothenic Acid (mg)                                  | 1.36       | 6.3       |
| Vitamin B <sub>6</sub> (mg)                            | 0.28       | 1.29      |
| Folic Acid (mg)                                        | 0.102      | 0.47      |
| Vitamin B <sub>12</sub> (mg)                           | 0.00067    | 0.0031    |
| Biotin (mg)                                            | 0.0136     | 0.063     |
| Choline (mg)                                           | 14.5       | 67        |
| Inositol (mg)                                          | 13.6       | 63        |
| Carnitine (mg)                                         | 7.8        | 36        |
| Taurine (mg)                                           | 13.6       | 63        |
| Other Characteristics                                  |            |           |
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> |            | 72        |
| Osmolality (mOsm/kg H <sub>2</sub> O)                  |            | 1240      |
| Osmolarity (mOsm/L)                                    |            | 1070      |
| Water (g/100 mL)                                       |            | 86        |

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

## INGREDIENTS

Amino Acids (L-Glutamine, L-Leucine, Potassium Aspartate, L-Lysine Hydrochloride, L-Tyrosine, L-Proline, L-Valine, L-Isoleucine, L-Alanine, L-Arginine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Sugar, Corn Syrup Solids, Soy Oil, Modified Corn Starch, Calcium Phosphate, Magnesium Phosphate, And Less Than 1%: Sodium Citrate, Potassium Chloride, Sodium Phosphate, Potassium Citrate, Choline Chloride, Ascorbic Acid, Taurine, Inositol, Ferrous Sulfate, Zinc Sulfate, Niacinamide, L-Carnitine, Vitamin E Acetate, Vitamin A Palmitate, Calcium Pantothenate, Cupric Sulfate, Manganese Sulfate, Vitamin B<sub>12</sub>, Thiamin Hydrochloride, Vitamin B<sub>6</sub> Hydrochloride, Riboflavin, Folic Acid, Vitamin D<sub>3</sub>, Chromic Chloride, Sodium Molybdate, Sodium Selenite, Biotin, Vitamin K<sub>1</sub>, Sodium Iodide, Ethyl Vanillin.

## PRODUCT FORMS

| Product           | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|-------------------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| Phenyl-Free® 2 HP | Powder | 454 g     | Yield Not Applicable to Metabolics           | 24 Months  | 1281334     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson Phenyl-Free® 2 HP** is to be used only in the dietary management of children and adults with documented Phenylketonuria while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. **Phenyl-Free® 2 HP** must be supplemented using other food sources of protein and fluid to provide enough phenylalanine to support dietary requirements of children and adults.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your medical professional will provide the correct amount of powder to mix with water for consumption.\***

**It is important to follow the directions below.**

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of **Phenyl-Free® 2 HP**. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

\* If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 15.1 g** of powder. Store the **DRY** scoop in this can.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month.

Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.



# TYROS 1

**Tyrosine- and phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented tyrosinemia type I and type II.**



## INDICATION

Tyrosine- and phenylalanine-free, iron fortified infant formula with DHA and ARA for infants and young children with documented tyrosinemia type I and type II.

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 68/280     | 500/2100  |
| Protein equivalent (g) | 2.3        | 16.7      |
| % of total energy      | 13         | 13        |

Source: Amino acid premix

|                   |     |    |
|-------------------|-----|----|
| Carbohydrate (g)  | 6.9 | 51 |
| % of total energy | 40  | 40 |

Source: Corn syrup solids, modified corn starch, sugar

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 3.5 | 26 |
| % of total energy | 47  | 47 |

Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.54  | 4    |
| Linolenic Acid (g) | 0.046 | 0.34 |
| ARA (mg)           | 24    | 175  |
| DHA (mg)           | 11.9  | 88   |

### Minerals

|                 |      |      |
|-----------------|------|------|
| Calcium (mg)    | 89   | 660  |
| (mMol)          | 2.2  | 16.5 |
| Phosphorus (mg) | 59   | 440  |
| (mMol)          | 1.92 | 14.2 |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Magnesium (mg)               | 8.9        | 66        |
| (mMol)                       | 0.37       | 2.7       |
| Iron (mg)                    | 1.3        | 9.6       |
| Zinc (mg)                    | 1.16       | 8.6       |
| Manganese (mg)               | 0.051      | 0.38      |
| Copper (mg)                  | 0.116      | 0.86      |
| Iodine (mg)                  | 0.0103     | 0.076     |
| Selenium (mg)                | 0.0019     | 0.0141    |
| Sodium (mg)                  | 32         | 240       |
| (mMol)                       | 1.41       | 10.4      |
| Potassium (mg)               | 82         | 610       |
| (mMol)                       | 2.1        | 15.6      |
| Chloride (mg)                | 58         | 430       |
| (mMol)                       | 1.64       | 12.1      |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 210        | 1520      |
| Vitamin D (IU)               | 51         | 380       |
| Vitamin E (IU)               | 1.35       | 10        |
| Vitamin K (mg)               | 0.0054     | 0.044     |
| Vitamin C (mg)               | 8.1        | 60        |
| Thiamine (mg)                | 0.135      | 1         |
| Riboflavin (mg)              | 0.135      | 1         |
| Niacin (mg)                  | 1.35       | 10        |
| Pantothenic Acid (mg)        | 0.51       | 3.8       |
| Vitamin B <sub>6</sub> (mg)  | 0.135      | 1         |
| Folic Acid (mg)              | 0.0135     | 0.1       |
| Vitamin B <sub>12</sub> (mg) | 0.00027    | 0.002     |
| Biotin (mg)                  | 0.0051     | 0.038     |
| Choline (mg)                 | 16.7       | 124       |
| Inositol (mg)                | 11.6       | 86        |
| Carnitine (mg)               | 6.8        | 50        |
| Taurine (mg)                 | 4.1        | 30        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 20  |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 360 |
| Osmolarity (mOsm/L)*                                   | 320 |
| Water (g/100 mL)                                       | 90  |

All metabolic products are for use under the direct and continuing supervision of a doctor or metabolic dietitian.

This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine and tyrosine to support growth, using other foods with these amino acids as required. Nutritional powders are not sterile.

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.68 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Vegetable Oil (Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil), Amino Acids (L-Glutamine, L-Leucine, Potassium Aspartate, L-Lysine Hydrochloride, L-Proline, L-Valine, L-Alanine, L-Isoleucine, L-Arginine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Modified Corn Starch, Sugar, Calcium Phosphate, Mortierella Alpine Oil, Cryptocodium Cohnii Oil<sup>†</sup>, Ethyl Vanillin, L-Carnitine, Taurine, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Choline Chloride, Cupric Sulfate, Ferrous Sulfate, Inositol, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium Pantothenate, Folic Acid, Niacinamide, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin B<sub>6</sub> Hydrochloride, Vitamin D<sub>3</sub>, Vitamin E Acetate And Vitamin K<sub>1</sub>).

<sup>†</sup> A source of Docosahexaenoic Acid (DHA).

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| TYROS 1 | Powder | 454 g     | Yield Not Applicable to Metabolics           | 18 Months  | 2001957     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson TYROS 1** is to be used only in the dietary management of infants and young children with documented tyrosinemia Type I and Type II while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine and tyrosine to support growth, using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of TYROS 1 with other foods and liquids and adjust the diet based on frequent blood tests.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formula products are not sterile and should **not** be fed to premature infants or those persons who might have immune problems unless directed and supervised by your baby's doctor.

|                                                                                                                                                                      |                                                                                                       |                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|                                                                                     |                      |                                 |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and <b>SHAKE WELL.</b></p> |

**Your baby's doctor will provide instructions for the correct amount of cooled, boiled water and powder. If instructed to use the scoop in the can,** each scoop (unpacked and level) delivers approximately 4.5 g of powder. Store the DRY scoop in this can.

**Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use product within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**STORAGE:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within one month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.





# TYROS 2

Phenylalanine and tyrosine-free powder for dietary management of children and adults (3 years and older) with inborn errors of tyrosine metabolism including tyrosinemia type II.

U D M IFANCA

## INDICATION

Phenylalanine and tyrosine-free powder for dietary management of children and adults (3 years and older) with inborn errors of tyrosine metabolism including tyrosinemia type II.

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 85/360     | 410/1720  |
| Protein equivalent (g) | 4.6        | 22        |
| % of total energy      | 22         | 22        |

Source: Amino acid premix

|                   |      |    |
|-------------------|------|----|
| Carbohydrate (g)  | 12.5 | 60 |
| % of total energy | 59   | 59 |

Source: Corn syrup solids, sugar, modified corn starch

|                   |      |     |
|-------------------|------|-----|
| Fat (g)           | 1.77 | 8.5 |
| % of total energy | 19   | 19  |

Source: Soy oil

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.87  | 4.2  |
| Linolenic Acid (g) | 0.108 | 0.52 |

### Minerals

|                 |     |      |
|-----------------|-----|------|
| Calcium (mg)    | 152 | 730  |
| (mMol)          | 3.8 | 18.2 |
| Phosphorus (mg) | 152 | 730  |
| (mMol)          | 4.9 | 24   |
| Magnesium (mg)  | 34  | 163  |
| (mMol)          | 1.4 | 6.7  |
| Iron (mg)       | 2.5 | 12.2 |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Zinc (mg)                    | 2.5        | 12.2      |
| Manganese (mg)               | 0.27       | 1.3       |
| Copper (mg)                  | 0.25       | 1.22      |
| Iodine (mg)                  | 0.0131     | 0.063     |
| Selenium (mg)                | 0.0058     | 0.028     |
| Sodium (mg)                  | 127        | 610       |
| (mMol)                       | 5.5        | 27        |
| Potassium (mg)               | 230        | 1100      |
| (mMol)                       | 5.9        | 28        |
| Chloride (mg)                | 177        | 850       |
| (mMol)                       | 5.0        | 24        |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 300        | 1420      |
| Vitamin D (IU)               | 58         | 280       |
| Vitamin E (IU)               | 2          | 9.8       |
| Vitamin K (mg)               | 0.0085     | 0.041     |
| Vitamin C (mg)               | 10.2       | 49        |
| Thiamine (mg)                | 0.25       | 1.22      |
| Riboflavin (mg)              | 0.2        | 0.98      |
| Niacin (mg)                  | 4.6        | 22        |
| Pantothenic Acid (mg)        | 1.02       | 4.9       |
| Vitamin B <sub>6</sub> (mg)  | 0.2        | 0.98      |
| Folic Acid (mg)              | 0.073      | 0.35      |
| Vitamin B <sub>12</sub> (mg) | 0.0005     | 0.0024    |
| Biotin (mg)                  | 0.0102     | 0.049     |
| Choline (mg)                 | 20         | 98        |
| Inositol (mg)                | 10.2       | 49        |
| Carnitine (mg)               | 10.2       | 49        |
| Taurine (mg)                 | 10.2       | 49        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 48  |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 830 |
| Osmolarity (mOsm/L)*                                   | 710 |
| Water (g/100 mL)                                       | 86  |

Use only as directed by a medical professional.

Powder medical foods are not sterile.

**WARNING:** This protein is incomplete since it does not contain the essential amino acids tyrosine and phenylalanine.

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.85 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Amino Acids (L-Glutamine, L-Leucine, Potassium Aspartate, L-Lysine Hydrochloride, L-Proline, L-Valine, L-Isoleucine, L-Alanine, L-Arginine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Sugar, Soy Oil, Modified Corn Starch, Calcium Phosphate, Sodium Citrate, Magnesium Phosphate, Potassium Chloride, And Less Than 1%: Sodium Phosphate, Potassium Citrate, Choline Chloride, Ascorbic Acid, Taurine, Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, Niacinamide, Vitamin E Acetate, Vitamin A Palmitate, Calcium Pantothenate, Cupric Sulfate, Manganese Sulfate, Vitamin B<sub>12</sub>, Thiamin Hydrochloride, Vitamin B<sub>6</sub> Hydrochloride, Riboflavin, Folic Acid, Vitamin D<sub>3</sub>, Chromic Chloride, Sodium Molybdate, Sodium Iodide, Sodium Selenite, Biotin, Vitamin K<sub>1</sub>, Ethyl Vanillin.

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| TYROS 2 | Powder | 454 g     | Yield Not Applicable to Metabolics           | 24 Months  | 1281396     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson TYROS 2** is to be used only in the dietary management of children and adults with documented inborn errors of tyrosine metabolism including tyrosinemia type II while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. **TYROS 2** must be supplemented using other food sources of protein and fluid to provide enough tyrosine and phenylalanine to support dietary requirements of children and adults.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your medical professional will provide the correct amount of powder to mix with water for consumption.\***

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of **TYROS 2**. **Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

\* If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.



# BCAD 1

An isoleucine-, leucine-, and valine-free, iron fortified infant formula with DHA and ARA for the dietary management of infants and young children with documented Maple Syrup Urine Disease (MSUD).

U D M IFANCA

## INDICATION

An isoleucine-, leucine-, and valine-free, iron fortified infant formula with DHA and ARA for the dietary management of infants and young children with documented Maple Syrup Urine Disease (MSUD).

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 68/280     | 500/2100  |
| Protein equivalent (g) | 2.2        | 16.2      |
| % of total energy      | 13         | 13        |

Source: Amino acid premix

|                   |     |    |
|-------------------|-----|----|
| Carbohydrate (g)  | 6.9 | 51 |
| % of total energy | 40  | 40 |

Source: Corn syrup solids, modified corn starch, sugar

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 3.5 | 26 |
| % of total energy | 47  | 47 |

Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.54  | 4    |
| Linolenic Acid (g) | 0.046 | 0.34 |
| ARA (mg)           | 24    | 175  |
| DHA (mg)           | 11.9  | 88   |

### Minerals

|                 |      |      |
|-----------------|------|------|
| Calcium (mg)    | 89   | 660  |
| (mMol)          | 2.2  | 16.5 |
| Phosphorus (mg) | 59   | 440  |
| (mMol)          | 1.92 | 14.2 |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Magnesium (mg)               | 8.9        | 66        |
| (mMol)                       | 0.37       | 2.7       |
| Iron (mg)                    | 1.3        | 9.6       |
| Zinc (mg)                    | 1.16       | 8.6       |
| Manganese (mg)               | 0.051      | 0.38      |
| Copper (mg)                  | 0.116      | 0.86      |
| Iodine (mg)                  | 0.0103     | 0.076     |
| Selenium (mg)                | 0.0019     | 0.0141    |
| Sodium (mg)                  | 32         | 240       |
| (mMol)                       | 1.41       | 10.4      |
| Potassium (mg)               | 81         | 600       |
| (mMol)                       | 2.1        | 15.3      |
| Chloride (mg)                | 68         | 500       |
| (mMol)                       | 1.9        | 14.1      |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 210        | 1520      |
| Vitamin D (IU)               | 51         | 380       |
| Vitamin E (IU)               | 1.35       | 10        |
| Vitamin K (mg)               | 0.0059     | 0.044     |
| Vitamin C (mg)               | 8.1        | 60        |
| Thiamine (mg)                | 0.135      | 1         |
| Riboflavin (mg)              | 0.135      | 1         |
| Niacin (mg)                  | 1.35       | 10        |
| Pantothenic Acid (mg)        | 0.51       | 3.8       |
| Vitamin B <sub>6</sub> (mg)  | 0.135      | 1         |
| Folic Acid (mg)              | 0.0135     | 0.1       |
| Vitamin B <sub>12</sub> (mg) | 0.00027    | 0.002     |
| Biotin (mg)                  | 0.0051     | 0.038     |
| Choline (mg)                 | 16.7       | 124       |
| Inositol (mg)                | 11.6       | 86        |
| Carnitine (mg)               | 6.8        | 50        |
| Taurine (mg)                 | 4.1        | 30        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 20  |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 330 |
| Osmolarity (mOsm/L)*                                   | 300 |
| Water (g/100 mL)                                       | 90  |

All metabolic products are for use under the direct and continuing supervision of a doctor or metabolic dietitian.

This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, leucine and valine to support growth, using other foods with these amino acids as required. Nutritional powders are not sterile.

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.68 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Vegetable Oil (Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil), Amino Acids (L-Glutamine, L-Lysine Hydrochloride, Potassium Aspartate, L-Proline, L-Alanine, L-Arginine, L-Phenylalanine, L-Tyrosine, L-Serine, L-Threonine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Modified Corn Starch, Sugar, Mortierella Alpina Oil<sup>†</sup>, Crypthecodinium Cohnii Oil<sup>‡</sup>, Ethyl Vanillin, L-Carnitine, Taurine, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Choline Chloride, Cupric Sulfate, Ferrous Sulfate, Inositol, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium Pantothenate, Folic Acid, Niacinamide, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin B<sub>6</sub> Hydrochloride, Vitamin D<sub>3</sub>, Vitamin E Acetate And Vitamin K<sub>1</sub>).

<sup>†</sup> A source of Arachidonic Acid (ARA).

<sup>‡</sup> A source of Docosahexaenoic Acid (DHA).

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| BCAD 1  | Powder | 454 g     | Yield Not Applicable to Metabolics           | 18 Months  | 2001952     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson BCAD 1** is to be used only in the dietary management of infants and young children with documented Maple Syrup Urine Disease while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, leucine and valine to support growth, using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of BCAD 1 with other foods and liquids and adjust the diet based on frequent blood tests.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formulas are not sterile and should **not** be fed to premature infants or those persons who might have immune problems unless directed and supervised by your baby's doctor.

|                                                                                                                         |                                                                                                       |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|                                        |                      |                                |
| <p>1. Wash hands thoroughly. Boil clean bottles, nipples, caps and utensils in water (2 minutes at a rolling boil).</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and shake vigorously.</p> |

**Your baby's doctor will provide instructions for the correct amount of cooled, boiled water and powder.** Each scoop (unpacked and level) delivers approximately 4.5 g of powder. Store the DRY scoop in this can.

**Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, do not refrigerate feeding bottle. You must use within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**STORAGE:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within one month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.





# BCAD 2

Isoleucine-, leucine- and valine-free powder for dietary management of children and adults (3 years and older) with Maple Syrup Urine Disease (MSUD) or other inborn errors of branched chain amino acid metabolism.

U D M IFANCA

## INDICATION

Isoleucine-, leucine- and valine-free powder for dietary management of children and adults (3 years and older) with Maple Syrup Urine Disease (MSUD) or other inborn errors of branched chain amino acid metabolism.

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 85/360     | 410/1720  |
| Protein equivalent (g) | 5          | 24        |
| % of total energy      | 24         | 24        |

Source: Amino acid premix

|                   |      |    |
|-------------------|------|----|
| Carbohydrate (g)  | 11.9 | 57 |
| % of total energy | 57   | 57 |

Source: Corn syrup solids, sugar, modified corn starch

|                   |      |     |
|-------------------|------|-----|
| Fat (g)           | 1.77 | 8.5 |
| % of total energy | 19   | 19  |

Source: Soy oil

|                    |       |      |
|--------------------|-------|------|
| Linoleic Acid (g)  | 0.87  | 4.2  |
| Linolenic Acid (g) | 0.108 | 0.52 |

### Minerals

|                 |     |      |
|-----------------|-----|------|
| Calcium (mg)    | 152 | 730  |
| (mMol)          | 3.8 | 18.2 |
| Phosphorus (mg) | 152 | 730  |
| (mMol)          | 4.9 | 24   |
| Magnesium (mg)  | 34  | 163  |
| (mMol)          | 1.4 | 6.7  |
| Iron (mg)       | 2.5 | 12.2 |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Zinc (mg)                    | 2.5        | 12.2      |
| Manganese (mg)               | 0.27       | 1.3       |
| Copper (mg)                  | 0.25       | 1.22      |
| Iodine (mg)                  | 0.0131     | 0.063     |
| Selenium (mg)                | 0.0058     | 0.028     |
| Sodium (mg)                  | 127        | 610       |
| (mMol)                       | 5.5        | 27        |
| Potassium (mg)               | 250        | 1220      |
| (mMol)                       | 6.5        | 31        |
| Chloride (mg)                | 210        | 1020      |
| (mMol)                       | 6          | 29        |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 360        | 1730      |
| Vitamin D (IU)               | 73         | 350       |
| Vitamin E (IU)               | 2.4        | 11.4      |
| Vitamin K (mg)               | 0.0098     | 0.047     |
| Vitamin C (mg)               | 11.9       | 57        |
| Thiamine (mg)                | 0.3        | 1.42      |
| Riboflavin (mg)              | 0.24       | 1.14      |
| Niacin (mg)                  | 5.4        | 26        |
| Pantothenic Acid (mg)        | 1.19       | 5.7       |
| Vitamin B <sub>6</sub> (mg)  | 0.24       | 1.14      |
| Folic Acid (mg)              | 0.085      | 0.41      |
| Vitamin B <sub>12</sub> (mg) | 0.00058    | 0.0028    |
| Biotin (mg)                  | 0.0119     | 0.057     |
| Choline (mg)                 | 20         | 98        |
| Inositol (mg)                | 11.9       | 57        |
| Carnitine (mg)               | 10.2       | 49        |
| Taurine (mg)                 | 11.9       | 57        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 51  |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 900 |
| Osmolarity (mOsm/L)*                                   | 780 |
| Water (g/100 mL)                                       | 86  |

Use only as directed by a medical professional.

Powder medical foods are not sterile.

**WARNING: This protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.**

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.85 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Amino Acids (L-Glutamine, L-Lysine Hydrochloride, Potassium Aspartate, L-Proline, L-Alanine, L-Arginine, L-Phenylalanine, L-Tyrosine, L-Threonine, L-Serine, Glycine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Sugar, Soy Oil, Modified Corn Starch, Calcium Phosphate, And Less Than 1%: Sodium Citrate, Magnesium Phosphate, Potassium Chloride, Sodium Phosphate, Potassium Citrate, Choline Chloride, Ascorbic Acid, Taurine, Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, Niacinamide, Vitamin E Acetate, Vitamin A Palmitate, Calcium Pantothenate, Cupric Sulfate, Manganese Sulfate, Vitamin B<sub>12</sub>, Thiamin Hydrochloride, Vitamin B<sub>6</sub> Hydrochloride, Riboflavin, Folic Acid, Vitamin D<sub>3</sub>, Chromic Chloride, Sodium Molybdate, Sodium Iodide, Biotin, Sodium Selenite, Vitamin K<sub>1</sub>, Ethyl Vanillin.

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| BCAD 2  | Powder | 454 g     | Yield Not Applicable to Metabolics           | 24 Months  | 1281386     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson BCAD 2** is to be used only in the dietary management of children and adults with documented maple syrup urine disease or other inborn errors of branched chain amino acid metabolism while under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. **BCAD 2** must be supplemented using other food sources of protein and fluid to provide enough isoleucine, leucine and valine to support dietary requirements of children and adults.

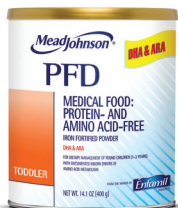
## **INSTRUCTIONS FOR PREPARATION AND USE**

**Your medical professional will provide the correct amount of powder to mix with water for consumption.**

**It is important to follow the directions below.**

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.



# PFD 1

**Protein- and amino acid-free infant formula\* with DHA and ARA for infants and young children with documented inborn errors of amino acid metabolism.**

**\* This product does contain taurine, a non-protein building amino acid.**

U D M IFANCA

## INDICATION

Protein- and amino acid-free infant formula\* with DHA and ARA for infants and young children with documented inborn errors of amino acid metabolism.

\* This product does contain taurine, a non-protein building amino acid.

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 69/290     | 530/2220  |
| Protein equivalent (g) | 0          | 0         |
| % of total energy      | 0          | 0         |

Source: None added

|                   |     |    |
|-------------------|-----|----|
| Carbohydrate (g)  | 7.8 | 60 |
| % of total energy | 46  | 46 |

Source: Corn syrup solids, modified corn starch, sugar

|                   |     |    |
|-------------------|-----|----|
| Fat (g)           | 4.2 | 32 |
| % of total energy | 54  | 54 |

Source: Palm olein oil (44%), soy oil (19.5%), coconut oil (19.5%), high oleic sunflower oil (14.5%), ARA & DHA single cell oil blend (2.5%)

|                    |       |     |
|--------------------|-------|-----|
| Linoleic Acid (g)  | 0.64  | 4.9 |
| Linolenic Acid (g) | 0.052 | 0.4 |
| ARA (mg)           | 25    | 190 |
| DHA (mg)           | 12.4  | 95  |

### Minerals

|                 |     |      |
|-----------------|-----|------|
| Calcium (mg)    | 103 | 790  |
| (mMol)          | 2.6 | 20   |
| Phosphorus (mg) | 69  | 530  |
| (mMol)          | 2.2 | 17.1 |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Magnesium (mg)               | 10.3       | 79        |
| (mMol)                       | 0.42       | 3.3       |
| Iron (mg)                    | 1.37       | 10.5      |
| Zinc (mg)                    | 1.37       | 10.5      |
| Manganese (mg)               | 0.061      | 0.47      |
| Copper (mg)                  | 0.137      | 1.05      |
| Iodine (mg)                  | 0.0117     | 0.09      |
| Selenium (mg)                | 0.0021     | 0.0158    |
| Sodium (mg)                  | 36         | 280       |
| (mMol)                       | 1.58       | 12.2      |
| Potassium (mg)               | 90         | 690       |
| (mMol)                       | 2.3        | 17.6      |
| Chloride (mg)                | 69         | 530       |
| (mMol)                       | 1.94       | 14.9      |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 240        | 1840      |
| Vitamin D (IU)               | 59         | 450       |
| Vitamin E (IU)               | 1.72       | 13.2      |
| Vitamin K (mg)               | 0.0069     | 0.053     |
| Vitamin C (mg)               | 9.6        | 74        |
| Thiamine (mg)                | 0.172      | 1.32      |
| Riboflavin (mg)              | 0.157      | 1.21      |
| Niacin (mg)                  | 1.57       | 12.1      |
| Pantothenic Acid (mg)        | 0.6        | 4.6       |
| Vitamin B <sub>6</sub> (mg)  | 0.157      | 1.21      |
| Folic Acid (mg)              | 0.0172     | 1.32      |
| Vitamin B <sub>12</sub> (mg) | 0.00034    | 0.0026    |
| Biotin (mg)                  | 0.0061     | 0.047     |
| Choline (mg)                 | 17.6       | 135       |
| Inositol (mg)                | 14.2       | 109       |
| Carnitine (mg)               | 8.2        | 63        |
| Taurine (mg)                 | 4.8        | 37        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 8   |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 171 |
| Osmolarity (mOsm/L)*                                   | 154 |
| Water (g/100 mL)                                       | 90  |

All metabolic products are for use under the direct and continuing supervision of a doctor or metabolic dietitian.

This product is nutritionally incomplete. Care must be taken to provide enough protein or amino acids to support growth, using other foods with protein as required. Nutritional powders are not sterile.

\* 100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.69 kcal/mL.

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Vegetable Oil (Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil), Modified Corn Starch, Sugar, Mortierella Alpina Oil<sup>†</sup>, Crypthecodinium Cohnii Oil<sup>‡</sup>, L-Carnitine, Taurine, Ethyl Vanillin, Ascorbyl Palmitate, Mixed Tocopherols (May Contain Potassium Hydroxide), **Minerals** (Calcium Phosphate, Choline Chloride, Cupric Sulfate, Ferrous Sulfate, Inositol, Magnesium Oxide, Manganese Sulfate, Potassium Chloride, Potassium Citrate, Sodium Citrate, Sodium Iodide, Sodium Selenite And Zinc Sulfate), **Vitamins** (Ascorbic Acid, Biotin, Calcium Pantothenate, Folic Acid, Niacinamide, Riboflavin, Thiamine Hydrochloride, Vitamin A Palmitate, Vitamin B<sub>12</sub>, Vitamin B<sub>6</sub> Hydrochloride, Vitamin D<sub>3</sub>, Vitamin E Acetate And Vitamin K<sub>1</sub>).

<sup>†</sup> A source of Arachidonic Acid (ARA).

<sup>‡</sup> A source of Docosahexaenoic Acid (DHA).

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| PFD 1   | Powder | 400 g     | Yield Not Applicable to Metabolics           | 18 Months  | 3144090     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson PFD 1** is to be used only in the dietary management of infants and young children with documented inborn errors of amino acid metabolism under direct and continuing medical supervision.

**WARNING:** This product is nutritionally incomplete. Care must be taken to provide enough protein or amino acids to support growth, using other foods with this product as required. Medical professionals must carefully and constantly supervise use of PFD 1 with other foods and liquids and adjust the diet based on frequent blood tests.

## INSTRUCTIONS FOR PREPARATION AND USE

**Your baby's health depends on carefully following the instructions below.**

Proper hygiene, preparation, dilution, use and storage are important when preparing formula. Powdered formulas are not sterile and should **not** be fed to premature infants or those persons who might have immune problems unless directed and supervised by your baby's doctor.

|                                                                                                                                                                      |                                                                                                       |                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                                                                                     |                      |                          |
| <p>1. Wash hands thoroughly with soap and water before preparing formula. Boil clean bottles, nipples, caps and utensils in water [2 minutes at a rolling boil].</p> | <p>2. Boil fresh water at a rolling boil for 2 minutes. Cool to room temperature prior to mixing.</p> | <p>3. Pour desired amount of the cooled water into the bottle. Add powder. Cap bottle and SHAKE WELL.</p> |

**Your baby's doctor will provide instructions for the correct amount of cooled, boiled water and powder. If instructed to use the scoop in the can,** each scoop (unpacked and level) delivers **approximately 4.5 g** of powder. Store the DRY scoop in this can.

**Failure to follow these instructions could result in severe harm. Once prepared, formula can spoil quickly.** Either feed immediately or cover and store in refrigerator at 2-4°C (35-40°F) for no longer than 24 hours. Do not use prepared formula if it is unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use product within 1 hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. Serious burns may result.

**STORAGE:** Store cans at room temperature. After opening can, keep tightly covered, store in dry area and use contents within one month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.





# PFD 2

**Protein- and amino acid-free powder\* for dietary management of children and adults (3 years and older) with documented amino acid metabolic disorders.**

**\* This product does contain taurine, a non-protein building amino acid.**

U D M IFANCA

## INDICATION

Protein- and amino acid-free powder\* for dietary management of children and adults (3 years and older) with documented amino acid metabolic disorders.

\* This product does contain taurine, a non-protein building amino acid.

## NUTRIENTS

| Analysis               | per 100 mL | per 100 g |
|------------------------|------------|-----------|
| Energy (kcal/kJ)       | 85/360     | 400/1670  |
| Protein equivalent (g) | 0          | 0         |
| % of total energy      | 0          | 0         |

Source: None added

|                   |      |    |
|-------------------|------|----|
| Carbohydrate (g)  | 18.7 | 88 |
| % of total energy | 89   | 89 |

Source: Corn syrup solids, sugar, modified corn starch

|                   |      |     |
|-------------------|------|-----|
| Fat (g)           | 1.02 | 4.8 |
| % of total energy | 11   | 11  |

Source: Soy oil

|                    |      |      |
|--------------------|------|------|
| Linoleic Acid (g)  | 0.49 | 2.3  |
| Linolenic Acid (g) | 0.06 | 0.28 |

Minerals

|                 |      |      |
|-----------------|------|------|
| Calcium (mg)    | 85   | 400  |
| (mMol)          | 2.1  | 10   |
| Phosphorus (mg) | 85   | 400  |
| (mMol)          | 2.7  | 12.9 |
| Magnesium (mg)  | 19.4 | 91   |
| (mMol)          | 0.8  | 3.7  |

| Analysis                     | per 100 mL | per 100 g |
|------------------------------|------------|-----------|
| Iron (mg)                    | 1.34       | 6.3       |
| Zinc (mg)                    | 1.34       | 6.3       |
| Manganese (mg)               | 0.147      | 0.69      |
| Copper (mg)                  | 0.134      | 0.63      |
| Iodine (mg)                  | 0.0075     | 0.035     |
| Selenium (mg)                | 0.003      | 0.0142    |
| Sodium (mg)                  | 77         | 360       |
| (mMol)                       | 3.3        | 15.7      |
| Potassium (mg)               | 72         | 340       |
| (mMol)                       | 1.85       | 8.7       |
| Chloride (mg)                | 68         | 320       |
| (mMol)                       | 1.92       | 9         |
| Vitamins                     |            |           |
| Vitamin A (IU)               | 168        | 790       |
| Vitamin D (IU)               | 33         | 154       |
| Vitamin E (IU)               | 1.09       | 5.1       |
| Vitamin K (mg)               | 0.0047     | 0.022     |
| Vitamin C (mg)               | 5.5        | 26        |
| Thiamine (mg)                | 0.134      | 0.63      |
| Riboflavin (mg)              | 0.109      | 0.51      |
| Niacin (mg)                  | 2.4        | 11.5      |
| Pantothenic Acid (mg)        | 0.55       | 2.6       |
| Vitamin B <sub>6</sub> (mg)  | 0.109      | 0.51      |
| Folic Acid (mg)              | 0.038      | 0.178     |
| Vitamin B <sub>12</sub> (mg) | 0.00025    | 0.00119   |
| Biotin (mg)                  | 0.0055     | 0.026     |
| Choline (mg)                 | 10.9       | 51        |
| Inositol (mg)                | 5.5        | 26        |
| Carnitine (mg)               | 5.5        | 26        |
| Taurine (mg)                 | 5.5        | 26        |

| Other Characteristics                                  |     |
|--------------------------------------------------------|-----|
| Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup> | 9.8 |
| Osmolality (mOsm/kg H <sub>2</sub> O)*                 | 450 |
| Osmolarity (mOsm/L)*                                   | 380 |
| Water (g/100 mL)                                       | 86  |

Use only as directed by a medical professional.

Powder medical foods are not sterile.

**WARNING: This product is incomplete since it does not contain any protein or amino acids.**

\*100 mL values and Other Characteristics information is based on this product mixed with water to a caloric density of 0.85 kcal/mL

1. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Nutrient values are subject to change. Consult actual product labels for most current information.

## INGREDIENTS

Corn Syrup Solids, Sugar, Soy Oil, Modified Corn Starch, Calcium Phosphate, And Less Than 1%: Sodium Citrate, Magnesium Phosphate, Potassium Chloride, Sodium Phosphate, Potassium Citrate, Choline Chloride, Ascorbic Acid, Taurine, Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, Niacinamide, Vitamin E Acetate, Calcium Pantothenate, Maltodextrin, Cupric Sulfate, Manganese Sulfate, Vitamin A Palmitate, Thiamin Hydrochloride, Vitamin B<sub>6</sub> Hydrochloride, Riboflavin, Folic Acid, Vitamin D<sub>3</sub>, Chromic Chloride, Sodium Molybdate, Sodium Iodide, Sodium Selenite, Biotin, Vitamin K<sub>1</sub>, Vitamin B<sub>12</sub>, Ethyl Vanillin.

## PRODUCT FORMS

| Product | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability                                 |
|---------|--------|-----------|----------------------------------------------|------------|-------------|----------------------------------------------|
| PFD 2   | Powder | 454 g     | Yield Not Applicable to Metabolics           | 24 Months  | 1281389     | Hospital & Retail Pharmacy (on prescription) |

## PREPARATION OF FEEDINGS

**Mead Johnson PFD 2** is to be used only in the dietary management of children and adults with documented amino acid metabolic disorders while under direct and continuing medical supervision.

**WARNING: This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. PFD 2 must be supplemented using other food sources of protein and fluid to support dietary requirements of children and adults.**

## INSTRUCTIONS FOR PREPARATION AND USE

**Your medical professional will provide the correct amount of powder to mix with water for consumption.\***

It is important to follow the directions below.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of **PFD 2. Mix well until blended.** Consume the prepared beverage immediately or cover and refrigerate. Use within 48 hours of preparation. Mix before drinking.

\* If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 14.5 g** of powder. Store the **DRY** scoop in this can.

**Powder Storage:** Store cans at room temperature. After opening can, keep tightly covered, store in a dry area and use contents within 1 month. Do not freeze powder and avoid excessive heat. **Use by date on bottom of can.**

**WARNING:** Not for parenteral (I.V.) use.

A photograph of a man with a beard, wearing a white shirt, holding a newborn baby. The baby is lying on its back, looking up at the man. The man's hands are gently holding the baby's arms. The background is a soft-focus grey wall. In the top left corner, there is a blue decorative banner with icons of a lightbulb, a heart, and a gear.

Enfamil A<sup>+</sup>

# Vitamins

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).



# Enfamil® D-Vi-Sol® (Liquid)

## Vitamin D Supplement

Liquid vitamin D supplement for all full-term breastfed infants.



NPN 00762881

## INDICATION

Liquid vitamin D supplement for all full-term breastfed infants. Enfamil® D-Vi-Sol® provides breastfed infants with vitamin D which helps in the normal development and maintenance of bones and teeth. Helps to prevent vitamin D deficiency. A joint statement of Health Canada, Canadian Paediatric Society, Dietitians of Canada, and Breastfeeding Committee for Canada states that a daily vitamin D supplement of 10 mcg (400 IU) is recommended for exclusively and partially breastfed infants, from birth to one year of age.

## RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil® D-Vi-Sol® liquid provides 400 IU per mL of vitamin D to meet the recommended daily intake of vitamin D. It is sugar-free, gluten-free, and lactose-free.

## DOSAGE AND ADMINISTRATION

Daily Dosage for all full-term breastfed infants: 1 mL (fill provided syringe to 1.0 mL line). Dispense slowly into child's mouth, toward inner cheek.

If preferred, the liquid may be slowly mixed with formula, juice, cereal, or other food and fed within one hour.

### Medicinal Ingredients (per 1 mL)

|                        |                   |                 |
|------------------------|-------------------|-----------------|
| Vitamin D <sub>3</sub> | (cholecalciferol) | 400 IU (10 mcg) |
|------------------------|-------------------|-----------------|

## NON-MEDICINAL INGREDIENTS

Glycerin, polysorbate 80, caramel, citric acid anhydrous, sodium citrate dihydrate, sodium hydroxide, artificial flavour and purified water. Store at room temperature 15-30°C (59-86°F).

## PRECAUTIONS

Keep this and all medications out of the reach of children. Safety sealed bottle. Do not use if seal is broken.

## REFERENCE

1. Health Canada, Canadian Pediatric Society, Dietitians of Canada and Breastfeeding Committee for Canada. Nutrition for Healthy Term Infants: Recommendations from Birth to Six Months, 2012.

## PRODUCT FORMS

| Product               | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life   | Item Number | Availability         |
|-----------------------|--------|-----------|----------------------------------------------|--------------|-------------|----------------------|
| Enfamil®<br>D-Vi-Sol® | Liquid | 50 mL     | Yield Not<br>Applicable to<br>Vitamin        | 18<br>Months | 1015277     | Hospital<br>& Retail |



# Enfamil® Tri-Vi-Sol® (Liquid)

## Multi-Vitamin Supplement of Vitamins A, D, and C

**Liquid vitamin A, D, and C supplement for infants  
and children under 3 years of age.**

**For the maintenance of good health for growing  
infants and toddlers.**



**NPN 00762903**

## INDICATION

Liquid vitamin A, D, and C supplement for infants and children under 3 years of age. For the maintenance of good health for growing infants and toddlers.

## RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil® Tri-Vi-Sol® vitamin liquid provides 3 frequently prescribed vitamins in amounts suitable for daily administration to infants and toddlers. Enfamil® Tri-Vi-Sol® vitamin liquid is lactose-free, gluten-free, and free of artificial sweeteners.

## DOSAGE AND ADMINISTRATION

Daily Dosage: 1 mL (fill provided syringe to 1.0 mL line). Dispense slowly into child's mouth, toward inner cheek. If preferred, the liquid may be slowly mixed with formula, juice, cereal, or other food and fed within one hour.

### Medicinal Ingredients (per 1 mL)

|                                          |                      |
|------------------------------------------|----------------------|
| Vitamin C (ascorbic acid)                | 30 mg                |
| Vitamin A (vitamin A palmitate)          | 750 IU (225 mcg RAE) |
| Vitamin D <sub>3</sub> (cholecalciferol) | 400 IU (10 mcg)      |

## NON-MEDICINAL INGREDIENTS

Glycerin, purified water, polysorbate 80, sodium hydroxide, artificial flavour and caramel colour.

Store at room temperature 15-30°C (59-86°F).

## PRECAUTIONS

Keep this and all medications out of the reach of children. Safety sealed bottle. Do not use if seal is broken.



PRODUCT FORMS

| Product                 | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|-------------------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil®<br>Tri-Vi-Sol® | Liquid | 50 mL     | Yield Not Applicable to Vitamin              | 15 Months  | 1015245     | Hospital & Retail |



# Entamil® Poly-Vi-Sol® (Liquid)

## Multi-Vitamin Supplement

Liquid multivitamin supplementation for infants and children under 3 years of age.

For the maintenance of good health for growing infants and toddlers.



NPN 00762946

## INDICATION

Liquid multivitamin supplementation for infants and children under 3 years of age. For the maintenance of good health for growing infants and toddlers.

## RATIONALE AND SPECIAL CHARACTERISTICS

Entamil® Poly-Vi-Sol® multivitamin supplement liquid provides 6 important vitamins and is a supplement for an infant's and toddler's transition to solid foods, during growth spurts, and for the picky eater. It is fruit-flavored, lactose-free, gluten-free, and free of artificial sweeteners.

## DOSAGE AND ADMINISTRATION

Daily Dosage: 1 mL (fill provided syringe to 1.0 mL line). Dispense slowly into child's mouth, toward inner cheek. If preferred, the liquid may be slowly mixed with formula, juice, cereal, or other food and fed within one hour.

### Medicinal Ingredients (per 1 mL)

|                                             |                      |
|---------------------------------------------|----------------------|
| Vitamin C (ascorbic acid)                   | 30 mg                |
| Niacinamide (niacinamide)                   | 4 mg                 |
| Riboflavin (riboflavin 5'-phosphate sodium) | 0.6 mg               |
| Thiamine (thiamine hydrochloride)           | 0.5 mg               |
| Vitamin A (vitamin A palmitate)             | 750 IU (225 mcg RAE) |
| Vitamin D <sub>3</sub> (cholecalciferol)    | 400 IU (10 mcg)      |

## NON-MEDICINAL INGREDIENTS

Glycerin, purified water, polysorbate 80, caramel colour and mixed fruit flavour. Store at room temperature 15-30°C (59-86°F).

## PRECAUTIONS

Keep this and all medications out of the reach of children. Safety sealed bottle. Do not use if seal is broken.

PRODUCT FORMS

| Product               | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|-----------------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil® Poly-Vi-Sol® | Liquid | 50 mL     | Yield Not Applicable to Vitamin              | 15 Months  | 1015280     | Hospital & Retail |



# Enfamil® Fer-In-Sol® (Liquid)

Ferrous Sulfate Oral Solution  
U.S.P.

Helps to prevent iron deficiency.



NPN 00762954

## INDICATION

Helps to prevent iron deficiency.

## NUTRIENTS

### Medicinal Ingredients (per 1 mL)

|                                     |       |
|-------------------------------------|-------|
| Iron (ferrous sulfate heptahydrate) | 75 mg |
| Equivalent to: Elemental Iron       | 15 mg |

## NON-MEDICINAL INGREDIENTS

Natural flavouring, citric acid anhydrous, ethyl alcohol, sodium bisulfate, sorbital solution, sugar and purified water.

## DOSAGE AND ADMINISTRATION

Use as directed by your physician. For oral use.

**Dosage:** For children 0-2 years. Take with food. Take a few hours before or after taking other medications. Dispense slowly into child's mouth, toward inner cheek.

Supplementation dose: 0.5 to 1 mL daily or as directed by your physician.

Therapeutic dose: 2.5 mL daily or as directed by your physician. Divide into three (3) doses and take three (3) times daily.

## Cautions and Warnings:

At therapeutic dose, some people may experience constipation, diarrhea and/ or vomiting. Temporary discoloration of the teeth due to this iron liquid can be minimized by thorough brushing.

Normal appearance of Enfamil® Fer-in-Sol® liquid is colourless, but the colour may vary from blue-green to gold. Any colour within this range does not affect the potency of the product.

Store at room temperature 15-30°C (59-86°F).

## SIDE EFFECTS

While taking iron, stools may appear darker in colour. This is normal and no cause for concern. When iron liquid is given to babies, some darkening of teeth may occur. This is not serious and may be removed by rubbing the teeth with baking soda.

## PRECAUTIONS

Use as directed by your physician. For oral use only. Keep this and all medications out of the reach of children. There is enough drug in the package to seriously harm a child. Safety sealed bottle. Do not use if seal is broken.

## ADVERSE REACTION

Some people may experience constipation, diarrhea and/or vomiting.

## ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, Poison Control Center, or hospital emergency should be notified immediately.

## PRODUCT FORMS

| Product                 | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life   | Item Number | Availability         |
|-------------------------|--------|-----------|----------------------------------------------|--------------|-------------|----------------------|
| Enfamil®<br>Fer-Vi-Sol® | Liquid | 50 mL     | Yield Not<br>Applicable to<br>Vitamin        | 24<br>Months | 1015154     | Hospital<br>& Retail |



# Enfamil® Fer-In-Sol® (Syrup)

Ferrous Sulfate Oral Solution  
U.S.P.

Helps to prevent iron deficiency.



NPN 00017884

## INDICATION

Helps to prevent iron deficiency. Enfamil® Fer-in-Sol® syrup is fruit-flavoured, alcohol-free, lactose-free and gluten-free.

## NUTRIENTS

| Fer-In-Sol syrup contains           | Per 5.0 mL |
|-------------------------------------|------------|
| Iron (ferrous sulfate heptahydrate) | 150 mg     |
| Equivalent to: Elemental Iron       | 30 mg      |

## NON-MEDICINAL INGREDIENTS

Sucrose, sorbitol solution, natural and artificial flavour, citric acid anhydrous, sodium chloride, sodium bisulfite, sulphuric acid and purified water.

Store at room temperature 15-30°C (59-86°F).

## DOSAGE AND ADMINISTRATION

Take a few hours before or after taking other medication. Mix with water or fruit juice and take with food.

### Supplementation dose:

Administer once daily or as directed by your physician.

|            |         |
|------------|---------|
| 0-6 years  | 1.25 mL |
| 6-12 years | 2.5 mL  |
| Adults     | 5 mL    |

### Therapeutic dose:

Divide into three (3) doses and administer three (3) times per day or as directed by your physician.

|            |               |
|------------|---------------|
| 0-2 years  | 2.5 to 5 mL   |
| 2-6 years  | 5 mL          |
| 6-12 years | 5 mL to 12 mL |
| Adults     | 10 to 15 mL   |

### PRECAUTIONS

Keep this and all medication out of the reach of children. There is enough drug in the package to seriously harm a child. Safety sealed bottle. Do not use if seal is broken.

### ADVERSE REACTION

Some people may experience constipation, diarrhea and/or vomiting. Temporary discolouration of the teeth due to this iron syrup can be minimized by thorough brushing.

### ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, Poison Control Center, or hospital emergency should be notified immediately.

### PRODUCT FORMS

| Product              | Format | Unit Size | Approximate Product Yield at Normal Dilution | Shelf Life | Item Number | Availability      |
|----------------------|--------|-----------|----------------------------------------------|------------|-------------|-------------------|
| Enfamil® Fer-In-Sol® | Syrup  | 250 mL    | Yield Not Applicable to Vitamin              | 24 Months  | 1015278     | Hospital & Retail |







# Accessories



Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).

# Enfamil® Nipples

Enfamil® Nipples are designed to be used with Nursette® bottles. Three different nipples are available, to satisfy the various preferences of infants, parents and healthcare professionals. All are ready to use and disposable. Nipples are packaged 240 per case. Enfamil® Nipples are made of surgical-grade plastic and are latex free.

## SPECIAL FEATURES OF THE NEW NIPPLES

- **Ready-to-use:** Individually wrapped and disposable for safety and convenience
- **Made with TPE:** Not made with latex, BPA, PVC, phthalate or DEHP
- **Reinforced:** The nipples are now reinforced preventing complete nipple collapse while feeding
- **Optimal ring design:** New ring design with grooves supports grip
- **New teat design:** Indentation in the teat offers better strength/bite resistance and prevents blocking
- **Needle technology for nipple apertures:** Consistent flow rate and lesser standard deviation
- **Vented:** Allows airflow during feeding



### Enfamil® Standard-Flow Soft Nipple

**Item # 3196175 - 240 per case**

A standard-flow single hole (0.018"), soft nipple designed for routine formula feeding.

| Product Composition          | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|------------------------------|-------------|-----------|-----------|--------------------|
| Surgical-grade plastic (TPE) | N           | N         | N         | N                  |



### Enfamil® Slow-Flow Soft Nipple

**Item # 3196177 - 240 per case**

A slow-flow, single hole (0.015"), soft nipple for when a slower flow rate is desired. Generally used by premature infants or those with special feeding needs.

| Product Composition          | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|------------------------------|-------------|-----------|-----------|--------------------|
| Surgical-grade plastic (TPE) | N           | N         | N         | N                  |



### Enfamil® Extra Slow-Flow Soft Nipple

**Item # 3196178 - 240 per case**

A slower flow, single hole (0.011"), soft nipple for when a slower flow rate than the Enfamil® Slow-Flow Soft Nipple is desired. Generally used by premature infants or those with special feeding needs.

| Product Composition          | Latex<br>(Y/N) | BPA<br>(Y/N) | PVC<br>(Y/N) | Phthalates or<br>DEHP |
|------------------------------|----------------|--------------|--------------|-----------------------|
| Surgical-grade plastic (TPE) | N              | N            | N            | N                     |



### NUK® Orthodontic Slow-Flow Nipple

**Item # 3221215 - 70 per case**

NUK® Orthodontic Slow-Flow Nipple is made out of TPE (thermoplastic elastomer) and is latex free. This safe product is designed to simulate the shape of a mother's nipple during breastfeeding. The product also has an Anti-Colic Air System which prevents the nipple from collapsing and reduces risk of swallowing air\*. The nipples are individually packed, sterilized, ready to use and are recommended for single use only. They are also compatible with all Mead Johnson Nutrition Nursette® and ready-to-feed products.

| Product Composition          | Latex<br>(Y/N) | BPA<br>(Y/N) | PVC<br>(Y/N) | Phthalates or<br>DEHP |
|------------------------------|----------------|--------------|--------------|-----------------------|
| Surgical-grade plastic (TPE) | N              | N            | N            | N                     |

\* These features are based on the product guide provided by Medic Pro MAPA Clinical Support Document for – NUK® Classic (Standard-Neck) Disposable Teats TPE, Mat.-Nr. 10.520.208 Rev. 418, 03/2019.

# MAM Pacifier



## MAM Comfort™ Pacifier†

**Item # 3122589 – 144 per case**

Please contact your Hospital Account Manager for product access and contract inclusion.

- Meets hospital and AAP requirements.
- Designed for infants between 1400 gm – 6500 gm, to comfort, promote proper oral development and support natural suckling behavior.
- 100% silicone, BPA/BPS free, one-piece pacifier is extra soft and specially designed for newborns.
- It is 32% lighter<sup>†</sup> than competitive one-piece pacifiers allowing the pacifier to stay in the baby's mouth more easily.
- The Orthodontic SkinSoft™ silicone nipple ensures the pacifier is easily accepted by babies.
- Shield is perfectly sized for newborns and shaped for minimal skin contact to protect baby's sensitive skin.

| Product Composition                  | Latex (Y/N) | BPA (Y/N) | BPS (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|--------------------------------------|-------------|-----------|-----------|-----------|--------------------|
| One-piece 100% silicone construction | N           | N         | N         | N         | N                  |

† Scientific reports from the WILD Hi-Precision Institute (Austria) confirm that the MAM Comfort is on average 32% lighter than other one-piece silicone pacifiers. Measured results: 8.2 g - 16.6 g.

# Feeding Bottles and Specialty Nurseries

Mead Johnson distributes plastic bottles, Grad-U-Feed® Nurseries, and Cleft Lip/ Palate Nurseries. All are ready to use and disposable. All are latex free and BPA free.



### Ready-To-Use Plastic Bottles

**Item # 3170018 – 48 per case**

Convenient plastic bottles hold 240 mL (8 fl oz) and come complete with an attached cap. The bottles are made of polypropylene, are latex free and are compatible with all Enfamil® Nipples giving clinicians the flexibility to use the bottle for storage and feeding purposes.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Grad-U-Feed® Nurser

**Item # 2051330 – 100 per case**

The Grad-U-Feed® Nurser is sterile and can hold 60 mL (2 fl oz) of feeding. It is used to feed small amounts to infants in neonatal intensive care nurseries. The easy-to-read graduated nurser can collect and store breast milk and infant formula. The ready-to-use sterile nurser can withstand freezing temperatures as low as -24°C and have been drop tested for product integrity. The Grad-U-Feed® Nurser is made of

polypropylene and is latex free. Grad-U-Feed® Caps are sold separately. Nipple units are not provided with Grad-U-Feed® Nurseries. Enfamil® Nipples may be used.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |

**Grad-U-Feed® Nurser with Cap****Item # 3118902 – 100 per case**

The Grad-U-Feed® Nurser with Cap is sterile, individually packaged together and ready to use. The easy-to-read graduated nurser can hold 60 mL (2 fl oz) of feeding. It is used to feed small amounts to infants in neonatal intensive care nurseries. The Grad-U-Feed® Nurser with Cap can collect and store breast milk and infant formula. The ready-to-use sterile nurser with cap can withstand freezing temperatures as low as -24°C and have been drop tested for product integrity. The Grad-U-Feed® Nurser with Cap is made of polypropylene and is latex free. Nipple units are not provided with Grad-U-Feed® Nursers. Enfamil® Nipples may be used.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |

**Grad-U-Feed® Nurser & Cap Dual Pack****Item # 2051329 – 100 per case (50x2)**

The Grad-U-Feed® Nurser & Cap Dual Pack constitutes of two units of individually packaged, sterile & ready-to-use nursers and caps. This format is highly recommended for usage in hospitals with centralized preparation rooms. The easy-to-read graduated nurser can hold 60 mL (2 fl oz) of feeding. It is used to feed small amounts to infants in neonatal intensive care nurseries. The Grad-U-Feed® Nurser with cap can collect and store breast milk and infant formula. The ready-to-use sterile nurser with cap can withstand freezing temperatures as low as -24°C and have been drop tested for product integrity. The Grad-U-Feed® Nurser with cap is made of polypropylene and is latex free. Nipple units are not provided with Grad-U-Feed® Nursers. Enfamil® Nipples may be used.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Grad-U-Feed® Caps

**Item # 2051331 – 200 per case**

These white plastic caps are designed to fit the new Grad-U-Feed® Nursers.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Cleft Lip/Palate Nurser

**Item # 1015466 – 72 per case**

The Cleft Lip/Palate Nurser is a squeezable bottle that holds 180 mL (6 fl oz). It comes with an elongated nipple designed for babies with a cleft lip or cleft palate. The nurser is made of low-density polyethylene and is latex free. The nipple is made of surgical-grade plastic and is latex free.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Sterile Breast Milk Feeding and Storage (30 mL)

**Available for orders from Q1 2025**

**Item # 3298204 – 100/case**

Please contact your Hospital Account Manager for product access and contract inclusion.

- Sterile, individually packaged, to reduce chances of cross contamination.
- Designed for breast milk storage and feeding.
- Simplifies the collection, storage and feeding of expressed breast milk, even in low quantities.
- It eliminates the need to transfer precious breast

milk between containers and thus lowering the chance of contamination and risk of infection.

- Compatible with all Enfamil® Nipples.
- Recommended for bed side prep or usage in centralized preparation rooms.
- Recommended for single use only.
- Freezable.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Sterile Breast Milk Storage and Feeding Bottle (118 mL)

Available for orders from Q1 2025

Item # 3296536 – 100/case

Please contact your Hospital Account Manager for product access and contract inclusion.

- Sterile, individually packaged, to reduce chances of cross contamination.
- Designed for breast milk storage and feeding.
- Compatible with all Enfamil® Nipples.
- Recommended for bed side prep or usage in centralized preparation rooms.
- Recommended for single use only.
- Freezable.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



### Sterile Colostrum Collector with Cap (15 mL)

Available for orders from Q1 2025

Item # 3296505 – 100/case

Please contact your Hospital Account Manager for product access and contract inclusion.

Enfamil® Colostrum Collector is a specialized low volume container, designed to collect, transport, store and administer colostrum safely and securely.

The container (15 mL) is sterile, individually packaged, to reduce chances of cross contamination. The container also has graduations in 5 mL increments to measure the amount of colostrum collected and fed to the infant.

- Compatible with all Enfamil® Nipples.
- Recommended for single use only.
- Freezable.

| Product Composition | Latex (Y/N) | BPA (Y/N) | PVC (Y/N) | Phthalates or DEHP |
|---------------------|-------------|-----------|-----------|--------------------|
| Polypropylene       | N           | N         | N         | N                  |



A smiling woman with long dark hair is looking down at a baby lying on its back on a white cloth on a wooden table. The baby is looking up at the woman and smiling. The background is a bright, out-of-focus indoor setting.The Enfamil A+ logo is located in the top left corner. It features the brand name "Enfamil" in a white serif font and "A+" in a larger, bold white sans-serif font, both set against a dark blue background with a gold border. Above the logo is a gold ribbon graphic. The top left corner of the page has a blue decorative banner with white icons of a lightbulb, a heart, and a gear.

**Enfamil**A<sup>+</sup>

# Dilution Tables and Preparation

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).

# Powder Infant Formula Dilutions

**Note: Powdered products are not commercially sterile and should not be used for immunocompromised patients, unless clinically required, and then under strict medical supervision of preparation and use.**

These dilutions can be used with the following Mead Johnson powder formulas:

## Enfamil A<sup>+</sup>® NeuroPro™ Infant

### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder* Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                |                           |
| 20                     | 0.68   | 60 (2.0)                                                       | 66 (2.2)                  |
| 22                     | 0.74   | 54 (1.8)                                                       | 60 (2.0)                  |
| 24                     | 0.81   | 49 (1.6)                                                       | 55 (1.9)                  |
| 26                     | 0.88   | 44 (1.5)                                                       | 51 (1.7)                  |
| 27                     | 0.91   | 42 (1.4)                                                       | 49 (1.7)                  |
| 28                     | 0.95   | 41 (1.4)                                                       | 47 (1.6)                  |
| 30                     | 1.01   | 37 (1.3)                                                       | 44 (1.5)                  |

\* Enfamil A<sup>+</sup>® NeuroPro™ Infant powder should be measured with unpacked, level scoops, using the scoop enclosed in the can.

† Fluid ounce measures are provided for convenience when larger variance in prepared dilution is acceptable. Fluid ounce measures in above table are rounded to the nearest 0.1 fluid ounce.

One-half fl oz of water can be measured using one tablespoon (1/2 fl oz water = 1 Tbsp water).

When accuracy is essential, water should be measured in mL, and powder should be weighed rather than measured.

Powders mix best when added on top of water. Add powder, then close bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One unpacked scoop of Enfamil A<sup>+</sup>® NeuroPro™ Infant powder (8.8 g) provides 44 Calories (5.1 kcal/g).

One unpacked scoop of Enfamil A<sup>+</sup>® NeuroPro™ Infant powder displaces about 0.2 fl oz of water (displacement for Enfamil A<sup>+</sup>® NeuroPro™ Infant is 0.77 mL/g).

One U.S. fl oz = 29.57 mL

## Enfamil®

### Per 1 Scoop

| kcal Desired |        | 1 Scoop Powder* Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|--------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz†   | per mL |                                                                |                           |
| 20           | 0.68   | 59 [2.0]                                                       | 65 [2.2]                  |
| 22           | 0.74   | 53 [1.8]                                                       | 59 [2.0]                  |
| 24           | 0.81   | 48 [1.6]                                                       | 54 [1.8]                  |
| 26           | 0.88   | 44 [1.5]                                                       | 50 [1.7]                  |
| 27           | 0.91   | 42 [1.4]                                                       | 48 [1.6]                  |
| 28           | 0.95   | 41 [1.4]                                                       | 47 [1.6]                  |
| 30           | 1.01   | 37 [1.3]                                                       | 44 [1.5]                  |

\* Enfamil® should be measured with **unpacked**, level scoops.

† Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil® provides 44 kcal.

One scoop of powder displaces about 6 mL or 0.2 fl oz.

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

## Enfamil A+® EnfaCare®

### Per 1 Scoop

| kcal Desired |        | 1 Scoop Powder‡ Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|--------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz†   | per mL |                                                                |                           |
| 22           | 0.74   | 57 [1.9]                                                       | 65 [2.2]                  |
| 24           | 0.81   | 52 [1.7]                                                       | 59 [2.0]                  |
| 26           | 0.88   | 47 [1.6]                                                       | 55 [1.8]                  |
| 27           | 0.91   | 45 [1.5]                                                       | 53 [1.8]                  |
| 28           | 0.95   | 43 [1.5]                                                       | 51 [1.7]                  |
| 30           | 1.01   | 40 [1.3]                                                       | 47 [1.6]                  |

† Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

‡ Enfamil A+® EnfaCare® powder should be measured with **unpacked**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil A+® EnfaCare® powder provides 48 kcal.

One scoop of powder displaces about 7 mL or 0.3 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

## Enfamil A+® 2

### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder <sup>§</sup> Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------|---------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                            |                           |
| 20                     | 0.68   | 60 (2.0)                                                                   | 67 (2.3)                  |
| 22                     | 0.74   | 54 (1.8)                                                                   | 60 (2.0)                  |
| 24                     | 0.81   | 49 (1.6)                                                                   | 55 (1.9)                  |
| 26                     | 0.88   | 44 (1.5)                                                                   | 51 (1.7)                  |
| 27                     | 0.91   | 42 (1.4)                                                                   | 49 (1.7)                  |
| 28                     | 0.95   | 41 (1.4)                                                                   | 48 (1.6)                  |
| 30                     | 1.01   | 37 (1.3)                                                                   | 44 (1.5)                  |

<sup>†</sup> Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

<sup>§</sup> Enfamil A+® 2 should be measured with **unpacked**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil A+® 2 powder provides 45 kcal.

One scoop of powder displaces about 7 mL or 0.2 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

## Enfamil® 2

### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder* Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                |                           |
| 20                     | 0.68   | 60 (2.0)                                                       | 66 (2.2)                  |
| 22                     | 0.74   | 54 (1.8)                                                       | 60 (2.0)                  |

| kcal Desired |        | 1 Scoop Powder* Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|--------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz†   | per mL |                                                                |                           |
| 24           | 0.81   | 49 (1.6)                                                       | 55 (1.9)                  |
| 26           | 0.88   | 44 (1.5)                                                       | 51 (1.7)                  |
| 27           | 0.91   | 43 (1.4)                                                       | 49 (1.7)                  |
| 28           | 0.95   | 41 (1.4)                                                       | 47 (1.6)                  |
| 30           | 1.01   | 38 (1.3)                                                       | 44 (1.5)                  |

\* Enfamil® 2 should be measured with **unpacked**, level scoops.

† Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil® 2 powder provides 45 kcal

One scoop of powder displaces about 6 mL or 0.2 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

## Enfamil A\*® NeuroPro™ Gentlease®

### Per 1 Scoop

| kcal Desired |        | 1 Scoop Powder† Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|--------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz†   | per mL |                                                                |                           |
| 20           | 0.68   | 59 (2.0)                                                       | 66 (2.2)                  |
| 22           | 0.74   | 53 (1.8)                                                       | 60 (2.0)                  |
| 24           | 0.81   | 48 (1.6)                                                       | 55 (1.9)                  |
| 26           | 0.88   | 44 (1.5)                                                       | 51 (1.7)                  |
| 27           | 0.91   | 42 (1.4)                                                       | 49 (1.7)                  |
| 28           | 0.95   | 40 (1.4)                                                       | 47 (1.6)                  |
| 30           | 1.01   | 37 (1.3)                                                       | 44 (1.6)                  |

† Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

‡ Enfamil A\*® NeuroPro™ Gentlease® should be measured with **unpacked**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil A+® NeuroPro™ Gentlease® powder provides 45 kcal.

One scoop of powder displaces about 7 mL or 0.2 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

### Enfamil A+® For feeding babies who frequently Spit Up<sup>§</sup>

#### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder <sup>#</sup> Added to<br>Indicated Volume of Water,<br>mL (fl oz) | Formula Yield,<br>mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------------|------------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                                  |                              |
| 20                     | 0.68   | 59 (2.0)                                                                         | 66 (2.2)                     |
| 22                     | 0.74   | 53 (1.8)                                                                         | 60 (2.0)                     |
| 24                     | 0.81   | 48 (1.6)                                                                         | 55 (1.9)                     |

† Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

§ For babies who spit up more than 4 times per day.

# Enfamil A+® For feeding babies who frequently Spit Up\* should be measured with **unpacked**, level scoops.

Enfamil A+® For feeding babies who frequently Spit Up\* should not be diluted to caloric concentrations higher than 24 kcal/30 mL because of increased viscosity.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Enfamil A+® For feeding babies who frequently Spit Up\* powder provides 45 kcal.

One scoop of powder displaces about 7 mL or 0.2 fl oz water.

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

### Nutramigen® A+® with LGG®

#### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder <sup>†</sup> Added to<br>Indicated Volume of Water,<br>mL (fl oz) | Formula Yield,<br>mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------------|------------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                                  |                              |
| 20                     | 0.68   | 60 (2.0)                                                                         | 67 (2.3)                     |
| 22                     | 0.74   | 54 (1.8)                                                                         | 60 (2.0)                     |
| 24                     | 0.81   | 49 (1.6)                                                                         | 55 (1.9)                     |
| 26                     | 0.88   | 44 (1.5)                                                                         | 51 (1.7)                     |
| 27                     | 0.91   | 42 (1.4)                                                                         | 49 (1.7)                     |

| kcal Desired           |        | 1 Scoop Powder <sup>¶</sup> Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------|---------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                            |                           |
| 28                     | 0.95   | 41 [1.4]                                                                   | 48 [1.6]                  |
| 30                     | 1.01   | 38 [1.3]                                                                   | 44 [1.5]                  |

LGG<sup>®</sup> is a registered trademark of Chr. Hansen A/S.

<sup>†</sup> Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

<sup>¶</sup> Nutramigen<sup>®</sup> A<sup>+</sup> with LGG<sup>®</sup> powders should be measured with **packed**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Nutramigen<sup>®</sup> A<sup>+</sup> with LGG<sup>®</sup> powder provides 45 kcal

One scoop of powder displaces about 7 mL or 0.2 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

## Nutramigen<sup>®</sup> A<sup>+</sup>

### Per 1 Scoop

| kcal Desired           |        | 1 Scoop Powder* Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                |                           |
| 20                     | 0.68   | 60 [2.0]                                                       | 67 [2.3]                  |
| 22                     | 0.74   | 54 [1.8]                                                       | 60 [2.0]                  |
| 24                     | 0.81   | 49 [1.6]                                                       | 55 [1.9]                  |
| 26                     | 0.88   | 44 [1.5]                                                       | 51 [1.7]                  |
| 27                     | 0.91   | 42 [1.4]                                                       | 49 [1.7]                  |
| 28                     | 0.95   | 41 [1.4]                                                       | 48 [1.6]                  |
| 30                     | 1.01   | 37 [1.3]                                                       | 44 [1.5]                  |

\* Nutramigen<sup>®</sup> A<sup>+</sup> powders should be measured with **packed**, level scoops.

<sup>†</sup> Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Nutramigen<sup>®</sup> A<sup>+</sup> powder provides 45 kcal

One scoop of powder displaces about 7 mL or 0.2 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

**PURAMINO A<sup>+</sup>®****Per 1 Scoop**

| kcal Desired           |        | 1 Scoop Powder <sup>‡</sup> Added to<br>Indicated Volume of Water,<br>mL (fl oz) | Formula Yield,<br>mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------------|------------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                                  |                              |
| 20                     | 0.68   | 30 (1.0)                                                                         | 33 (1.1)                     |
| 22                     | 0.74   | 27 (0.9)                                                                         | 30 (1.0)                     |
| 24                     | 0.81   | 24 (0.8)                                                                         | 28 (0.9)                     |
| 26                     | 0.88   | 22 (0.7)                                                                         | 26 (0.9)                     |
| 27                     | 0.91   | 21 (0.7)                                                                         | 25 (0.8)                     |
| 28                     | 0.95   | 20 (0.7)                                                                         | 24 (0.8)                     |
| 30                     | 1.01   | 19 (0.6)                                                                         | 22 (0.8)                     |

<sup>†</sup> Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

<sup>‡</sup> PURAMINO A<sup>+</sup>® should be measured with **unpacked**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of PURAMINO A<sup>+</sup>® powder provides 22 kcal

One scoop of powder displaces about 3 mL or 0.1 fl oz water

One U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

**PURAMINO A<sup>+</sup>® JUNIOR****Per 1 Scoop**

| kcal Desired           |        | 1 Scoop Powder <sup>§</sup> Added to<br>Indicated Volume of Water,<br>mL (fl oz) | Formula Yield,<br>mL (fl oz) |
|------------------------|--------|----------------------------------------------------------------------------------|------------------------------|
| per fl oz <sup>†</sup> | per mL |                                                                                  |                              |
| 20                     | 0.68   | 44 (1.5)                                                                         | 49 (1.7)                     |
| 22                     | 0.74   | 40 (1.3)                                                                         | 45 (1.5)                     |
| 24                     | 0.81   | 36 (1.2)                                                                         | 41 (1.4)                     |
| 26                     | 0.88   | 33 (1.1)                                                                         | 38 (1.3)                     |
| 27                     | 0.91   | 31 (1.1)                                                                         | 36 (1.2)                     |
| 28                     | 0.95   | 30 (1.0)                                                                         | 35 (1.2)                     |
| 30                     | 1.01   | 28 (1.0)                                                                         | 33 (1.1)                     |

<sup>†</sup> Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

<sup>§</sup> PURAMINO A<sup>+</sup>® JUNIOR should be measured with **unpacked**, level scoops.



Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of PURAMINO A+® JUNIOR powder provides 33 kcal  
One U.S. fl oz = 29.57 mL  
1 Tbsp water = 15 mL water

**Pregestimil® A+®**

**Per 1 Scoop**

| kcal Desired |        | 1 Scoop Powder† Added to Indicated Volume of Water, mL (fl oz) | Formula Yield, mL (fl oz) |
|--------------|--------|----------------------------------------------------------------|---------------------------|
| per fl oz*   | per mL |                                                                |                           |
| 20           | 0.68   | 59 (2.0)                                                       | 66 (2.2)                  |
| 22           | 0.74   | 53 (1.8)                                                       | 60 (2.0)                  |
| 24           | 0.81   | 48 (1.6)                                                       | 55 (1.9)                  |
| 26           | 0.88   | 44 (1.5)                                                       | 51 (1.7)                  |
| 27           | 0.91   | 42 (1.4)                                                       | 49 (1.6)                  |
| 28           | 0.95   | 40 (1.4)                                                       | 47 (1.6)                  |
| 30           | 1.01   | 37 (1.2)                                                       | 44 (1.5)                  |

\* Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.  
† Pregestimil® A+® should be measured with **packed**, level scoops.

Powders mix best when added on **top** of water. Then close the bottle and shake for about 5 seconds. The number of scoops and the amount of water to add can be doubled or tripled to make a larger volume.

One scoop of Pregestimil® A+® powder provides 45 kcal  
One scoop of powder displaces about 7 mL or 0.2 fl oz water  
One U.S. fl oz = 29.57 mL  
1 Tbsp water = 15 mL water

# Scoop Information For Powder Products

| Powders                                                                          | Scoop Weight (grams) | kcal/scoop | Displacement (mL/g powder) | kcal/g | Protein (g/100 g) |
|----------------------------------------------------------------------------------|----------------------|------------|----------------------------|--------|-------------------|
| Enfamil A <sup>+</sup> <sup>®</sup> NeuroPro <sup>™</sup> Infant                 | 8.8                  | 44         | 0.77                       | 5.1    | 11                |
| Enfamil <sup>®</sup>                                                             | 8.7                  | 45         | 0.77                       | 5.1    | 10.8              |
| Enfamil A <sup>+</sup> <sup>®</sup>                                              | 8.8                  | 44         | 0.77                       | 5.1    | 10.1              |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> with LGG <sup>®</sup>        | 9 <sup>+</sup>       | 45         | 0.77                       | 5.0    | 13.9              |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup>                              | 9 <sup>+</sup>       | 45         | 0.77                       | 5.0    | 13.9              |
| PURAMINO A <sup>+</sup> <sup>®</sup>                                             | 4.5                  | 22         | 0.77                       | 5.0    | 13.9 <sup>‡</sup> |
| PURAMINO A <sup>+</sup> <sup>®</sup> JUNIOR                                      | 6.8                  | 33         | 0.75                       | 4.9    | 14 <sup>‡</sup>   |
| Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup>                             | 8.9 <sup>+</sup>     | 45         | 0.78                       | 5.0    | 14                |
| Enfamil A <sup>+</sup> <sup>®</sup> For feeding babies who frequently Spit Up    | 8.9                  | 45         | 0.76                       | 5.0    | 12.4              |
| Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup>                        | 9.8                  | 48         | 0.76                       | 4.9    | 13.8              |
| Enfamil A <sup>+</sup> <sup>®</sup> NeuroPro <sup>™</sup> Gentlease <sup>®</sup> | 8.7                  | 45         | 0.77                       | 5.1    | 12                |
| Enfamil A <sup>+</sup> <sup>®</sup> Serenity                                     | 8.7                  | 44         | 0.76                       | 5.1    | 11.7              |
| Enfamil <sup>®</sup> 2                                                           | 8.9                  | 45         | 0.72                       | 5.0    | 13                |
| Enfamil A <sup>+</sup> <sup>®</sup> 2                                            | 9                    | 45         | 0.77                       | 5.0    | 12.9              |
| Enfagrow A <sup>+</sup> <sup>®</sup> Vanilla and Milk Flavour                    | 12                   | 53         | 0.74                       | 4.4    | 17.8              |
| Phenyl-Free <sup>®</sup> 1                                                       | 4.5                  | 23         | 0.76                       | 5.0    | 16.2 <sup>‡</sup> |
| Phenyl-Free <sup>®</sup> 2                                                       | 14.4                 | 59         | 0.67                       | 4.1    | 22 <sup>‡</sup>   |

LGG<sup>®</sup> is a registered trademark of Chr. Hansen A/S.



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| Powders           | Scoop Weight (grams) | kcal/scoop | Displacement (mL/g powder) | kcal/g | Protein (g/100 g) |
|-------------------|----------------------|------------|----------------------------|--------|-------------------|
| Phenyl-Free® 2 HP | 15.1                 | 59         | 0.67                       | 3.9    | 40 <sup>†</sup>   |
| BCAD 1            | 4.5                  | 23         | 0.77                       | 5.0    | 16.2 <sup>‡</sup> |
| BCAD 2            | 14.5                 | 59         | 0.67                       | 4.1    | 24 <sup>‡</sup>   |
| PFD 1             | 4.5                  | 24         | 0.78                       | 5.3    | 0                 |
| PFD 2             | 14.9                 | 59         | 0.65                       | 4.0    | 0                 |
| TYROS 1           | 4.5                  | 23         | 0.77                       | 5.0    | 16.7 <sup>‡</sup> |
| TYROS 2           | 14.5                 | 59         | 0.67                       | 4.1    | 22 <sup>‡</sup>   |
| Portagen®         | 9.4 <sup>†</sup>     | 44         | 0.75                       | 4.7    | 17                |

<sup>†</sup> Packed level measure – all others are unpacked level measures.

<sup>‡</sup> Protein equivalents.

When accuracy is essential, gram measurements should be used. Note that scoop sizes do vary among the different products. Use scoop included with the product to ensure the desired caloric density is achieved.

**Powdered formulas are not sterile. “To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate alternative is available, and then only with strict medical supervision and careful preparation, storage and use.”<sup>1</sup>**

1. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA. International Formula Council; 2004:4.

# Concentrated Liquid Infant Formula Dilutions

These dilutions can be used with the following Mead Johnson concentrate formulas:

**Enfamil A<sup>+</sup>®, Enfamil A<sup>+</sup>® Lactose Free, Enfamil A<sup>+</sup>® Soy and Enfamil A<sup>+</sup>® 2**

| kcal Desired |        | mL (fl oz) of water to add to<br>385 mL can of concentrated<br>liquid | Formula Yield,<br>mL (fl oz) |
|--------------|--------|-----------------------------------------------------------------------|------------------------------|
| per fl oz    | per mL |                                                                       |                              |
| 20           | 0.68   | 384 (13)                                                              | 769 (26)                     |
| 22           | 0.74   | 311 (10.5)                                                            | 695 (23.5)                   |
| 24           | 0.81   | 251 (8.5)                                                             | 636 (21.5)                   |
| 26           | 0.88   | 207 (7)                                                               | 591 (20)                     |
| 27           | 0.91   | 177 (6)                                                               | 562 (19)                     |
| 28           | 0.95   | 163 (5.5)                                                             | 547 (18.5)                   |
| 30           | 1.01   | 133 (4.5)                                                             | 518 (17.5)                   |

Each can of concentrated liquid provides 520 kcal.  
30 mL of undiluted concentrated liquid provides 40 kcal.

1 U.S. fl oz = 29.57 mL

1 Tbsp water = 15 mL water

# Amino Acids Profile

## Infant Formula Amino Acid Compositions

### ESSENTIAL AMINO ACIDS

| Product                                                                                                        | Histidine  | Isoleucine | Leucine     | Lysine       | Methionine         |
|----------------------------------------------------------------------------------------------------------------|------------|------------|-------------|--------------|--------------------|
| Enfamil A <sup>+</sup> <sup>®</sup><br>NeuroPro™ Infant<br>mg/100 kcal<br>mg/100 g*                            | 53<br>280  | 120<br>630 | 220<br>1170 | 200<br>1020  | 53<br>280          |
| Enfamil A <sup>+</sup> <sup>®</sup><br>NeuroPro™<br>Gentlease <sup>®</sup><br>mg/100 kcal<br>mg/100 g†         | 60<br>310  | 131<br>680 | 240<br>1240 | 200<br>1030  | 51 (58 liq)<br>260 |
| Enfamil A <sup>+</sup> <sup>®</sup><br>Concentrate<br>mg/100 kcal<br>mg/100 g                                  | 50<br>250  | 116<br>590 | 210<br>1080 | 180<br>910   | 46<br>230          |
| Enfamil A <sup>+</sup> <sup>®</sup> For<br>feeding babies who<br>frequently Spit Up<br>mg/100 kcal<br>mg/100 g | 73<br>350  | 130<br>620 | 250<br>1210 | 210<br>1010  | 63<br>300          |
| Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                          | 70<br>350  | 162<br>800 | 300<br>1480 | 250<br>1240  | 64<br>320          |
| Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                               | 84<br>420  | 162<br>810 | 270<br>1370 | 240<br>1180  | 73<br>360          |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> with<br>LGG <sup>®</sup><br>mg/100 kcal<br>mg/100 g*       | 84<br>420  | 162<br>810 | 270<br>1370 | 240<br>1180  | 73<br>360          |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                                | 84<br>420  | 162<br>810 | 270<br>1360 | 240<br>1170* | 73<br>360          |
| PURAMINO A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g                                                | 73<br>360  | 190<br>950 | 340<br>1710 | 220<br>1110  | 64<br>320          |
| PURAMINO A <sup>+</sup> <sup>®</sup><br>JUNIOR<br>mg/100 kcal<br>mg/100 g                                      | 73<br>360  | 190<br>950 | 340<br>1720 | 220<br>1120  | 64<br>320          |
| Enfamil A <sup>+</sup> <sup>®</sup> 2<br>mg/100 kcal<br>mg/100 g*                                              | 75<br>370  | 135<br>670 | 260<br>1300 | 220<br>1080  | 65<br>320          |
| Enfagrow A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                                               | 116<br>520 | 210<br>930 | 400<br>1800 | 340<br>1500  | 100<br>450         |

LGG<sup>®</sup> is a registered trademark of Chr. Hansen A/S.

\* Powder only.

† At 20 Cal/fl oz (0.68 Cal/mL).




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| Product                                                                                                            | Cysteine           | Phenyl-<br>alanine | Tyrosine           | Threonine  | Tryptophan         | Valine      |
|--------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|------------|--------------------|-------------|
| Enfamil A <sup>+</sup> <sup>®</sup><br>NeuroPro <sup>™</sup> Infant<br>mg/100 kcal<br>mg/100 g*                    | 38<br>200          | 90<br>470          | 67 (80 liq)<br>350 | 124<br>650 | 29<br>153          | 130<br>680  |
| Enfamil A <sup>+</sup> <sup>®</sup><br>NeuroPro <sup>™</sup><br>Gentlease <sup>®</sup><br>mg/100 kcal<br>mg/100 g† | 32 (34 liq)<br>168 | 97<br>500          | 83 (87 liq)<br>430 | 133<br>700 | 29 (30 liq)<br>149 | 147<br>770  |
| Enfamil A <sup>+</sup> <sup>®</sup><br>Concentrate<br>mg/100 kcal                                                  | 36                 | 84                 | 80                 | 122        | 35                 | 122         |
| Enfamil A <sup>+</sup> <sup>®</sup> For<br>feeding babies<br>who frequently<br>Spit Up<br>mg/100 kcal<br>mg/100 g  | 23<br>108          | 125<br>600         | 110<br>530         | 115<br>550 | 33<br>156          | 158<br>760  |
| Enfamil A <sup>+</sup> <sup>®</sup><br>EnfaCare <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                           | 51<br>250          | 118<br>580         | 112<br>550         | 171<br>840 | 49<br>240          | 171<br>840  |
| Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                                   | 48<br>240          | 137<br>690         | 59<br>290          | 129<br>640 | 46<br>230          | 200<br>1010 |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup><br>with LGG <sup>®</sup><br>mg/100 kcal<br>mg/100 g*           | 48<br>240          | 137<br>690         | 59<br>290          | 129<br>640 | 46<br>230          | 200<br>1010 |
| Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                                    | 48<br>240          | 137<br>680         | 59<br>290          | 129<br>640 | 46<br>230          | 200<br>1000 |
| PURAMINO A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g                                                    | 73<br>360          | 140<br>700         | 151<br>750         | 171<br>850 | 67<br>330          | 210<br>1060 |
| PURAMINO A <sup>+</sup> <sup>®</sup><br>JUNIOR<br>mg/100 kcal<br>mg/100 g                                          | 73<br>360          | 140<br>700         | 151<br>760         | 171<br>850 | 67<br>340          | 210<br>1060 |
| Enfamil A <sup>+</sup> <sup>®</sup> 2<br>mg/100 kcal<br>mg/100 g*                                                  | 23<br>116          | 130<br>650         | 130<br>650         | 120<br>590 | 37<br>182          | 164<br>810  |
| Enfagrow A <sup>+</sup> <sup>®</sup><br>mg/100 kcal<br>mg/100 g*                                                   | 36<br>160          | 200<br>890         | 176<br>780         | 184<br>820 | 52<br>230          | 250<br>1120 |

LGG<sup>®</sup> is a registered trademark of Chr. Hansen A/S.

\* Powder only.

† At 20 Cal/fl oz (0.68 Cal/mL).

## NONESSENTIAL AMINO ACIDS

| Product                                                                                          | Arginine   | Alanine     | Aspartic Acid | Glutamic Acid |
|--------------------------------------------------------------------------------------------------|------------|-------------|---------------|---------------|
| Enfamil A <sup>+</sup> ® NeuroPro™ Infant<br>mg/100 kcal<br>mg/100 g*                            | 71<br>370  | 101<br>530  | 200<br>1030   | 400<br>2100   |
| Enfamil A <sup>+</sup> ® NeuroPro™<br>Gentlease®<br>mg/100 kcal<br>mg/100 g†                     | 81<br>420  | 106<br>550  | 220<br>1130   | 460<br>2400   |
| Enfamil A <sup>+</sup> ® Concentrate<br>mg/100 kcal                                              | 60         | 88          | 200           | 400           |
| Enfamil A <sup>+</sup> ® For feeding babies<br>who frequently Spit Up<br>mg/100 kcal<br>mg/100 g | 88<br>420  | 85<br>410   | 200<br>960    | 550<br>2600   |
| Enfamil A <sup>+</sup> ® EnfaCare®<br>mg/100 kcal<br>mg/100 g*                                   | 84<br>410  | 123<br>610  | 270<br>1350   | 560<br>2800   |
| Pregestimil® A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                        | 112<br>560 | 95<br>480   | 210<br>1060   | 640<br>3200   |
| Nutramigen® A <sup>+</sup> ® with LGG®<br>mg/100 kcal<br>mg/100 g*                               | 112<br>560 | 95<br>480   | 210<br>1060   | 640<br>3200   |
| Nutramigen® A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                         | 112<br>560 | 95<br>470   | 210<br>1060   | 640<br>3200   |
| PURAMINO A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g                                             | 148<br>740 | 270<br>1360 | 560<br>2800   | 168<br>840    |
| PURAMINO A <sup>+</sup> ® JUNIOR<br>mg/100 kcal<br>mg/100 g                                      | 148<br>740 | 270<br>1360 | 560<br>2800   | 168<br>840    |
| Enfamil A <sup>+</sup> ® 2<br>mg/100 kcal<br>mg/100 g*                                           | 91<br>450  | 88<br>440   | 210<br>1030   | 570<br>2800   |
| Enfagrow A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                            | 140<br>620 | 136<br>610  | 320<br>1420   | 880<br>3900   |

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\* Powder only.

† At 20 Cal/fl oz (0.68 Cal/mL).

| Product                                                                                          | Glycine   | Proline     | Serine      |
|--------------------------------------------------------------------------------------------------|-----------|-------------|-------------|
| Enfamil A <sup>+</sup> ® NeuroPro™ Infant<br>mg/100 kcal<br>mg/100 g*                            | 42<br>220 | 162<br>850  | 116<br>610  |
| Enfamil A <sup>+</sup> ® NeuroPro™<br>Gentlease®<br>mg/100 kcal<br>mg/100 g†                     | 45<br>230 | 189<br>980  | 127<br>660  |
| Enfamil A <sup>+</sup> ® Concentrate<br>mg/100 kcal                                              | 40        | 160         | 114         |
| Enfamil A <sup>+</sup> ® For feeding babies<br>who frequently Spit Up<br>mg/100 kcal<br>mg/100 g | 50<br>240 | 250<br>1190 | 145<br>700  |
| Enfamil A <sup>+</sup> ® EnfaCare®<br>mg/100 kcal<br>mg/100 g*                                   | 56<br>280 | 220<br>1100 | 160<br>790  |
| Pregestimil® A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                        | 59<br>290 | 290<br>1470 | 162<br>810  |
| Nutramigen® A <sup>+</sup> ® with LGG®<br>mg/100 kcal<br>mg/100 g*                               | 59<br>290 | 290<br>1470 | 162<br>810  |
| Nutramigen® A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                         | 59<br>290 | 290<br>1460 | 162<br>810  |
| PURAMINO A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g                                             | 73<br>360 | 280<br>1390 | 171<br>850  |
| PURAMINO A <sup>+</sup> ® JUNIOR<br>mg/100 kcal<br>mg/100 g                                      | 73<br>360 | 280<br>1400 | 171<br>850  |
| Enfamil A <sup>+</sup> ® 2<br>mg/100 kcal<br>mg/100 g*                                           | 52<br>260 | 260<br>1280 | 151<br>750  |
| Enfagrow A <sup>+</sup> ®<br>mg/100 kcal<br>mg/100 g*                                            | 80<br>360 | 400<br>1760 | 230<br>1030 |

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\* Powder only.

† At 20 Cal/fl oz (0.68 Cal/mL).



# Metabolic Formula Amino Acid Compositions

## ESSENTIAL AMINO ACIDS

| Product                                      | Histidine   | Isoleucine  | Leucine      | Lysine      | Methionine |
|----------------------------------------------|-------------|-------------|--------------|-------------|------------|
| BCAD 1<br>mg/100 kcal<br>mg/100 g            | 109<br>550  | 0<br>0      | 0<br>0       | 350<br>1770 | 93<br>470  |
| BCAD 2<br>mg/100 kcal<br>mg/100 g            | 220<br>890  | 0<br>0      | 0<br>0       | 700<br>2900 | 189<br>770 |
| PFD 1<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0       | 0<br>0      | 0<br>0     |
| PFD 2<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0       | 0<br>0      | 0<br>0     |
| Phenyl-Free® 1<br>mg/100 kcal<br>mg/100 g    | 80<br>410   | 230<br>1150 | 420<br>2100  | 260<br>1300 | 70<br>360  |
| Phenyl-Free® 2<br>mg/100 kcal<br>mg/100 g    | 135<br>550  | 380<br>1560 | 700<br>2900  | 430<br>1760 | 119<br>480 |
| Phenyl-Free® 2 HP<br>mg/100 kcal<br>mg/100 g | 260<br>1000 | 720<br>2800 | 1330<br>5200 | 820<br>3200 | 220<br>880 |
| TYROS 1<br>mg/100 kcal<br>mg/100 g           | 83<br>420   | 240<br>1200 | 440<br>2200  | 270<br>1370 | 73<br>370  |
| TYROS 2<br>mg/100 kcal<br>mg/100 g           | 135<br>550  | 390<br>1580 | 710<br>2900  | 440<br>1800 | 119<br>480 |

| Product                           | Cysteine   | Phenyl-<br>alanine | Tyrosine    | Threonine   | Tryptophan | Valine |
|-----------------------------------|------------|--------------------|-------------|-------------|------------|--------|
| BCAD 1<br>mg/100 kcal<br>mg/100 g | 67<br>340  | 182<br>920         | 182<br>920  | 150<br>760  | 80<br>410  | 0<br>0 |
| BCAD 2<br>mg/100 kcal<br>mg/100 g | 136<br>550 | 370<br>1490        | 370<br>1490 | 300<br>1220 | 159<br>650 | 0<br>0 |

| Product              | Cysteine | Phenyl-<br>alanine | Tyrosine | Threonine | Tryptophan | Valine |
|----------------------|----------|--------------------|----------|-----------|------------|--------|
| PFD 1                |          |                    |          |           |            |        |
| mg/100 kcal          | 0        | 0                  | 0        | 0         | 0          | 0      |
| mg/100 g             | 0        | 0                  | 0        | 0         | 0          | 0      |
| PFD 2                |          |                    |          |           |            |        |
| mg/100 kcal          | 0        | 0                  | 0        | 0         | 0          | 0      |
| mg/100 g             | 0        | 0                  | 0        | 0         | 0          | 0      |
| Phenyl-Free® 1       |          |                    |          |           |            |        |
| mg/100 kcal          | 48       | 0                  | 320      | 147       | 58         | 250    |
| mg/100 g             | 240      | 0                  | 1600     | 750       | 290        | 1250   |
| Phenyl-Free® 2       |          |                    |          |           |            |        |
| mg/100 kcal          | 81       | 0                  | 530      | 250       | 97         | 420    |
| mg/100 g             | 330      | 0                  | 2200     | 1010      | 400        | 1690   |
| Phenyl-Free®<br>2 HP |          |                    |          |           |            |        |
| mg/100 kcal          | 153      | 0                  | 1010     | 470       | 184        | 790    |
| mg/100 g             | 600      | 0                  | 4000     | 1840      | 720        | 3100   |
| TYROS 1              |          |                    |          |           |            |        |
| mg/100 kcal          | 53       | 0                  | 0        | 155       | 63         | 260    |
| mg/100 g             | 270      | 0                  | 0        | 780       | 320        | 1320   |
| TYROS 2              |          |                    |          |           |            |        |
| mg/100 kcal          | 86       | 0                  | 0        | 250       | 103        | 430    |
| mg/100 g             | 350      | 0                  | 0        | 1030      | 420        | 1740   |

## NONESSENTIAL AMINO ACIDS

| Product                                      | Arginine    | Alanine     | Aspartic Acid | Glutamic Acid |
|----------------------------------------------|-------------|-------------|---------------|---------------|
| BCAD 1<br>mg/100 kcal<br>mg/100 g            | 230<br>1180 | 250<br>1280 | 310<br>1560   | 610<br>3100   |
| BCAD 2<br>mg/100 kcal<br>mg/100 g            | 420<br>1730 | 460<br>1870 | 550<br>2300   | 1100<br>4500  |
| PFD 1<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0        | 0<br>0        |
| PFD 2<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0        | 0<br>0        |
| Phenyl-Free® 1<br>mg/100 kcal<br>mg/100 g    | 192<br>970  | 210<br>1070 | 250<br>1280   | 510<br>2600   |
| Phenyl-Free® 2<br>mg/100 kcal<br>mg/100 g    | 320<br>1320 | 360<br>1450 | 430<br>1740   | 850<br>3500   |
| Phenyl-Free® 2 HP<br>mg/100 kcal<br>mg/100 g | 610<br>2400 | 670<br>2600 | 810<br>3200   | 1610<br>6300  |
| TYROS 1<br>mg/100 kcal<br>mg/100 g           | 220<br>1100 | 240<br>1200 | 290<br>1450   | 570<br>2900   |
| TYROS 2<br>mg/100 kcal<br>mg/100 g           | 360<br>1450 | 390<br>1580 | 470<br>1910   | 930<br>3800   |

| Product                                      | Glycine     | Proline     | Serine      |
|----------------------------------------------|-------------|-------------|-------------|
| BCAD 1<br>mg/100 kcal<br>mg/100 g            | 141<br>710  | 310<br>1560 | 154<br>780  |
| BCAD 2<br>mg/100 kcal<br>mg/100 g            | 250<br>1030 | 550<br>2300 | 280<br>1130 |
| PFD 1<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0      |
| PFD 2<br>mg/100 kcal<br>mg/100 g             | 0<br>0      | 0<br>0      | 0<br>0      |
| Phenyl-Free® 1<br>mg/100 kcal<br>mg/100 g    | 115<br>580  | 250<br>1280 | 125<br>630  |
| Phenyl-Free® 2<br>mg/100 kcal<br>mg/100 g    | 194<br>790  | 430<br>1740 | 210<br>860  |
| Phenyl-Free® 2 HP<br>mg/100 kcal<br>mg/100 g | 370<br>1440 | 810<br>3200 | 400<br>1560 |
| TYROS 1<br>mg/100 kcal<br>mg/100 g           | 129<br>650  | 290<br>1450 | 142<br>720  |
| TYROS 2<br>mg/100 kcal<br>mg/100 g           | 210<br>860  | 470<br>1910 | 230<br>950  |

# Portagen® Amino Acid Composition

## ESSENTIAL AMINO ACIDS

| Product     | Histidine | Isoleucine | Leucine | Lysine | Methionine |
|-------------|-----------|------------|---------|--------|------------|
| mg/100 kcal | 104       | 184        | 350     | 290    | 101        |
| mg/100 g    | 490       | 870        | 1630    | 1380   | 480        |

| Product     | Cysteine | Phenyl-<br>alanine | Tyrosine | Threonine | Tryptophan | Valine |
|-------------|----------|--------------------|----------|-----------|------------|--------|
| mg/100 kcal | 15.5     | 191                | 210      | 158       | 56         | 240    |
| mg/100 g    | 73       | 900                | 990      | 750       | 270        | 1120   |

## NONESSENTIAL AMINO ACIDS

| Product     | Arginine | Alanine | Aspartic<br>Acid | Glutamic<br>Acid |
|-------------|----------|---------|------------------|------------------|
| mg/100 kcal | 133      | 115     | 260              | 830              |
| mg/100 g    | 630      | 540     | 1240             | 3900             |

| Product     | Glycine | Proline | Serine |
|-------------|---------|---------|--------|
| mg/100 kcal | 68      | 390     | 210    |
| mg/100 g    | 320     | 1850    | 1000   |

# Premature Formula Amino Acid Compositions

## ESSENTIAL AMINO ACIDS

| Product                                             | Histidine | Isoleucine | Leucine | Lysine | Methionine |
|-----------------------------------------------------|-----------|------------|---------|--------|------------|
| Enfamil A+®<br>Premature 20 kcal<br>(59 mL)         |           |            |         |        |            |
| mg/100 kcal                                         | 75        | 174        | 320     | 270    | 69         |
| mg/100 mL                                           | 50        | 116        | 210     | 180    | 46         |
| Enfamil A+®<br>Premature 24 kcal<br>(59 mL)         |           |            |         |        |            |
| mg/100 kcal                                         | 75        | 174        | 320     | 270    | 69         |
| mg/100 mL                                           | 60        | 139        | 260     | 220    | 55         |
| Enfamil A+®<br>Premature<br>High Protein<br>(59 mL) |           |            |         |        |            |
| mg/100 kcal                                         | 88        | 200        | 370     | 320    | 81         |
| mg/100 mL                                           | 70        | 162        | 300     | 250    | 64         |
| Enfamil A+®<br>EnfaCare®<br>(59 mL)                 |           |            |         |        |            |
| mg/100 kcal                                         | 70        | 162        | 300     | 250    | 64         |
| mg/100 mL                                           | 53        | 122        | 220     | 189    | 48         |

| Product                                        | Cysteine | Phenyl-<br>alanine | Tyrosine | Threonine | Tryptophan | Valine |
|------------------------------------------------|----------|--------------------|----------|-----------|------------|--------|
| Enfamil A+®<br>Premature<br>20 kcal<br>(59 mL) |          |                    |          |           |            |        |
| mg/100 kcal                                    | 55       | 126                | 120      | 183       | 53         | 183    |
| mg/100 mL                                      | 36       | 84                 | 80       | 122       | 35         | 122    |
| Enfamil A+®<br>Premature<br>24 kcal<br>(59 mL) |          |                    |          |           |            |        |
| mg/100 kcal                                    | 55       | 126                | 120      | 183       | 53         | 183    |
| mg/100 mL                                      | 44       | 101                | 96       | 146       | 42         | 146    |

| Product                                                                     | Cysteine | Phenyl-<br>alanine | Tyrosine | Threonine | Tryptophan | Valine |
|-----------------------------------------------------------------------------|----------|--------------------|----------|-----------|------------|--------|
| Enfamil A <sup>+</sup> <sup>®</sup><br>Premature<br>High Protein<br>(59 mL) |          |                    |          |           |            |        |
| mg/100 kcal                                                                 | 64       | 147                | 140      | 210       | 61         | 210    |
| mg/100 mL                                                                   | 51       | 118                | 112      | 171       | 49         | 171    |
| Enfamil A <sup>+</sup> <sup>®</sup><br>EnfaCare <sup>®</sup><br>(59 mL)     |          |                    |          |           |            |        |
| mg/100 kcal                                                                 | 51       | 118                | 112      | 171       | 49         | 171    |
| mg/100 mL                                                                   | 38       | 88                 | 84       | 128       | 37         | 128    |

## NONESSENTIAL AMINO ACIDS

| Product                                    | Arginine | Alanine | Aspartic Acid | Glutamic Acid |
|--------------------------------------------|----------|---------|---------------|---------------|
| Enfamil A+® Premature 20 kcal (59 mL)      |          |         |               |               |
| mg/100 kcal                                | 90       | 132     | 290           | 600           |
| mg/100 mL                                  | 60       | 88      | 200           | 400           |
| Enfamil A+® Premature 24 kcal (59 mL)      |          |         |               |               |
| mg/100 kcal                                | 90       | 132     | 290           | 600           |
| mg/100 mL                                  | 72       | 106     | 240           | 480           |
| Enfamil A+® Premature High Protein (59 mL) |          |         |               |               |
| mg/100 kcal                                | 105      | 154     | 340           | 700           |
| mg/100 mL                                  | 84       | 123     | 270           | 560           |
| Enfamil A+® EnfaCare® (59 mL)              |          |         |               |               |
| mg/100 kcal                                | 84       | 123     | 270           | 560           |
| mg/100 mL                                  | 63       | 92      | 210           | 420           |

| Product                                    | Glycine | Proline | Serine |
|--------------------------------------------|---------|---------|--------|
| Enfamil A+® Premature 20 kcal (59 mL)      |         |         |        |
| mg/100 kcal                                | 60      | 240     | 171    |
| mg/100 mL                                  | 40      | 160     | 114    |
| Enfamil A+® Premature 24 kcal (59 mL)      |         |         |        |
| mg/100 kcal                                | 60      | 240     | 171    |
| mg/100 mL                                  | 48      | 192     | 137    |
| Enfamil A+® Premature High Protein (59 mL) |         |         |        |
| mg/100 kcal                                | 70      | 280     | 200    |
| mg/100 mL                                  | 56      | 220     | 160    |
| Enfamil A+® EnfaCare® (59 mL)              |         |         |        |
| mg/100 kcal                                | 56      | 220     | 160    |
| mg/100 mL                                  | 42      | 168     | 120    |



# Human Milk Fortifiers Amino Acid Compositions

## ESSENTIAL AMINO ACIDS

| Product                                                                                        | Histidine | Isoleucine | Leucine | Lysine | Methionine |
|------------------------------------------------------------------------------------------------|-----------|------------|---------|--------|------------|
| Enfamil® Human Milk Fortifier Powder Per 1 packet (0.71g) mg                                   | 7.3       | 15.4       | 34      | 28     | 7          |
| Enfamil® Liquid Human Milk Fortifier Standard Protein (Without Preterm Human Milk) Per 5 mL mg | 9.2       | 25         | 59      | 48     | 10.1       |
| Enfamil® Liquid Human Milk Fortifier High Protein (Without Preterm Human Milk) Per 5 mL mg     | 12.3      | 33         | 78      | 64     | 13.4       |

| Product                                                                                        | Cysteine | Phenyl-alanine | Tyrosine | Threonine | Tryptophan | Valine |
|------------------------------------------------------------------------------------------------|----------|----------------|----------|-----------|------------|--------|
| Enfamil® Human Milk Fortifier Powder Per 1 packet (0.71 g) mg                                  | 6.4      | 12.3           | 12.6     | 14        | 5.6        | 16.2   |
| Enfamil® Liquid Human Milk Fortifier Standard Protein (Without Preterm Human Milk) Per 5 mL mg | 15.1     | 16             | 16.8     | 23        | 10.5       | 23     |
| Enfamil® Liquid Human Milk Fortifier High Protein (Without Preterm Human Milk) Per 5 mL mg     | 20       | 21             | 22       | 30        | 14         | 30     |

## NONESSENTIAL AMINO ACIDS

| Product                                                                                           | Arginine | Alanine | Aspartic Acid | Glutamic Acid |
|---------------------------------------------------------------------------------------------------|----------|---------|---------------|---------------|
| Enfamil® Human Milk Fortifier Powder Per 1 packet (0.71 g)<br>mg                                  | 8.4      | 12.6    | 29            | 56            |
| Enfamil® Liquid Human Milk Fortifier Standard Protein (Without Preterm Human Milk) Per 5 mL<br>mg | 10.5     | 24      | 53            | 76            |
| Enfamil® Liquid Human Milk Fortifier High Protein (Without Preterm Human Milk) Per 5 mL<br>mg     | 14       | 31      | 71            | 101           |

| Product                                                                                           | Glycine | Proline | Serine |
|---------------------------------------------------------------------------------------------------|---------|---------|--------|
| Enfamil® Human Milk Fortifier Powder Per 1 packet (0.71 g)<br>mg                                  | 5.3     | 20      | 14     |
| Enfamil® Liquid Human Milk Fortifier Standard Protein (Without Preterm Human Milk) Per 5 mL<br>mg | 7.7     | 18.9    | 18.1   |
| Enfamil® Liquid Human Milk Fortifier High Protein (Without Preterm Human Milk) Per 5 mL<br>mg     | 10.3    | 25      | 24     |

# Kosher Enfamil® Products

Kosher means the food or product has been prepared according to the requirements of Jewish Law.

Some of our products are manufactured under the supervision of the Kashruth Division of the Union of Orthodox Jewish Congregations of America.

O.U. on a product signifies it is kosher and is authorized by the Orthodox Union.

Our kosher-certified products will have a "U" within a circle on the product label.

 = Kosher

 = Kosher Dairy

## ***Pareve***

Pareve is a Hebrew term that describes food without any meat or dairy ingredients.

# Halal Enfamil® Products

Halal food means food permitted under Islamic Law. It encompasses the food source, how animals are slaughtered, and the preparation, processing, packaging, transportation, and storage of foods. The foremost unlawful foods under Islamic Law are pork products and alcoholic beverages and ingredients derived from these items.

The organization that certifies our products halal is the Islamic Food and Nutrition Council of America or IFANCA®.

## ***Alcohol***

We do not add alcohol to any of our infant formulas, toddler drinks or medical foods.

Synthetic alcohol is used during the drying process of the nucleotides in our infant formulas; however, the amount of alcohol remaining in the nucleotides is very small (200 ppm [parts per million] or less).

## ***Nucleotides***

The nucleotides we use in our formulas are certified Halal by the Islamic Food and Nutrition Council of America and Kosher by the Orthodox Union.

The nucleotide ingredients may be certified Halal, but our products are not Halal-certified at this time, with the exception of PURAMINO A<sup>+</sup>® and PURAMINO A<sup>+</sup>® JUNIOR.

## ***Pork***

The casein protein in our Nutramigen® A<sup>+</sup>®, Nutramigen® A<sup>+</sup>® with LGG® and Pregestimil® A<sup>+</sup>® are hydrolyzed or broken down by an enzyme process using pork pancreatic enzyme. Very little of the enzyme remains in the final product formulation; in fact, pork contributes an insignificant percentage of the prepared formula.

| Portfolio Category | SKU Number          | Product Name                                                                                        | Halal Status    | Kosher Status                                   |
|--------------------|---------------------|-----------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------|
| Premature          | 3221214             | Enfamil® Human Milk Fortifier (Powder)                                                              | Halal Certified | Kosher Dairy                                    |
|                    | 3279585             | Enfamil® Liquid Human Milk Fortifier Standard Protein 163 mL Flex Pro Bottle (6x4 Bottles Per Case) | Halal Certified | Kosher Dairy                                    |
|                    | 3279712             | Enfamil® Liquid Human Milk Fortifier High Protein 163 mL Flex Pro Bottle (6x4 Bottles Per Case)     | Halal Certified | Kosher Dairy                                    |
|                    | 3180545             | Enfamil® Liquid Human Milk Fortifier Standard Protein 5 mL sachet                                   | Halal Certified | Kosher Dairy                                    |
|                    | 3180315             | Enfamil® Liquid Human Milk Fortifier High Protein 5 mL sachet                                       | Halal Certified | Kosher Dairy                                    |
|                    | 1250747             | Enfamil A+® Premature 20 kcal Nursette® Bottle                                                      | Halal Certified | Kosher Dairy                                    |
|                    | 1215248             | Enfamil A+® Premature 24 kcal Nursette® Bottle                                                      | Halal Certified | Kosher Dairy                                    |
|                    | 1281250             | Enfamil A+® Premature High Protein Nursette® Bottle                                                 | Halal Certified | Kosher Dairy                                    |
|                    | 1171320             | Enfamil A+® EnfaCare® Powder                                                                        | Halal Certified | Kosher Dairy                                    |
|                    | 1215387             | Enfamil A+® EnfaCare® Nursette® Bottle                                                              | Halal Certified | Kosher Dairy                                    |
| Term & Specialty   | 1210915             | Enfamil A+® Hypercaloric                                                                            | Halal Certified | Kosher Dairy                                    |
|                    | 1215250/<br>3130303 | Enfamil® Water                                                                                      | Halal Certified | Kosher Pareve (Manufactured on dairy equipment) |
|                    | 1216351             | Enfamil® 5% Glucose in Water                                                                        | Halal Certified | Kosher Pareve (Manufactured on dairy equipment) |
|                    | 1271716             | Enfamil A+® Soy Nursette® Bottle                                                                    | Halal Certified | Kosher Pareve                                   |
|                    | 3276942             | Enfamil A+® Soy Concentrate                                                                         | Halal Certified | Kosher Pareve                                   |
|                    | 1271623             | Enfamil A+® Lactose Free Nursette® Bottle                                                           | Halal Certified | Kosher Dairy                                    |
|                    | 3278010             | Enfamil A+® Lactose Free Concentrate                                                                | Halal Certified | Kosher Dairy                                    |

| Portfolio Category | SKU Number | Product Name                                                              | Halal Status    | Kosher Status                                   |
|--------------------|------------|---------------------------------------------------------------------------|-----------------|-------------------------------------------------|
| Term & Specialty   | 3290179    | Enfamil A+® NeuroPro™ Nursette® Bottle (Only Hospital)                    | Halal Certified | Kosher Dairy                                    |
|                    | 3276799    | Enfamil A+® NeuroPro™ Powder                                              | Halal Certified | Kosher Dairy                                    |
|                    | 3285831    | Enfamil A+® NeuroPro™ 237 mL RTF (24 bottles per case)                    | Halal Certified | Kosher Dairy                                    |
|                    | 3285832    | Enfamil A+® NeuroPro™ 237 mL RTF (18 bottles per case)                    | Halal Certified | Kosher Dairy                                    |
|                    | 3236031    | Enfamil A+® NeuroPro™ Nursette® Bottle (Only Hospital)                    | Halal Certified | Kosher Dairy                                    |
|                    | 3290179    | Enfamil A+® NeuroPro™ Hospital Nursette® (48 per case)                    | Halal Certified | Kosher Dairy                                    |
|                    | 3276799    | Enfamil A+® NeuroPro™ Powder - 587 gms (6 tubs per case)                  | Halal Certified | Kosher Dairy                                    |
|                    | 3285832    | Enfamil A+® NeuroPro™ Ready to Use (RTU) (18 bottles per case)            | Halal Certified | Kosher Dairy                                    |
|                    | 3285831    | Enfamil A+® NeuroPro™ Ready to Use (RTU) (24 bottles per case)            | Halal Certified | Kosher Dairy                                    |
|                    | 3286052    | Enfamil A+® NeuroPro™ Gentlease® Powder – 553 gms (6 tubs per case)       | Halal Certified | Kosher Dairy                                    |
|                    | 3276297    | Enfamil A+® NeuroPro™ Gentlease® Ready to Use (RTU) (24 bottles per case) | Halal Certified | Kosher Dairy                                    |
|                    | 3232162    | Enfamil A+® Concentrate                                                   | Halal Certified | Kosher Dairy                                    |
|                    | 1233351    | Puramino A+® Powder                                                       | Halal Certified | Kosher Dairy                                    |
|                    | 2021478    | Enfamil® Enfalyte® Oral Electrolyte Solution                              | Halal Certified | Kosher Pareve (Manufactured on dairy equipment) |
|                    | 1239201    | Nutramigen® A+® Powder                                                    | —               | Not Kosher                                      |
|                    | 3230626    | Nutramigen® A+® with LGG®                                                 | —               | Not Kosher                                      |
|                    | 3229971    | Nutramigen® A+® Nursette® Bottle                                          | —               | Not Kosher                                      |
|                    | 1238161    | Pregestimil® A+® Powder                                                   | —               | Not Kosher                                      |

LGG® is a registered trademark of Chr. Hansen A/S.

| Portfolio Category | SKU Number                | Product Name                                                                   | Halal Status    | Kosher Status |
|--------------------|---------------------------|--------------------------------------------------------------------------------|-----------------|---------------|
| Term & Specialty   | 1273987                   | Pregestimil® A+® Nursette® Bottle                                              | —               | Not Kosher    |
|                    | 3271466                   | Enfamil A+® For feeding babies who frequently Spit Up*                         | Halal Certified | Kosher Dairy  |
|                    | Not provided to hospitals | Enfamil A+® Serenity                                                           | Halal Certified | Kosher Dairy  |
| Toddler            | 2047834                   | Puramino A+® JUNIOR                                                            | Halal Certified | Kosher Dairy  |
|                    | 3181752                   | Enfagrow A+® Toddler Nutritional Drink, Vanilla Flavour Powder                 | Halal Certified | Kosher Dairy  |
|                    | 3181749                   | Enfagrow A+® Toddler Nutritional Drink, Milk Flavour Powder                    | Halal Certified | Kosher Dairy  |
|                    | 2053715                   | Enfagrow A+® Toddler Nutritional Drink, Vanilla Flavour Ready to Drink Bottles | Halal Certified | Kosher Dairy  |
|                    | 2053714                   | Enfagrow A+® Toddler Nutritional Drink, Milk Flavour Ready to Drink Bottles    | Halal Certified | Kosher Dairy  |
| Metabolics         | 2032499                   | Portagen®                                                                      | Halal Certified | Kosher Dairy  |
|                    | 2001922                   | Phenyl-Free® 1 (Powder)                                                        | Halal Certified | Kosher Dairy  |
|                    | 1281334                   | Phenyl-Free® 2 HP (Powder)                                                     | Halal Certified | Kosher Dairy  |
|                    | 1281335                   | Phenyl-Free® 2 (Powder)                                                        | Halal Certified | Kosher Dairy  |
|                    | 2001957                   | TYROS 1 (Powder)                                                               | Halal Certified | Kosher Dairy  |
|                    | 1281396                   | TYROS 2 (Powder)                                                               | Halal Certified | Kosher Dairy  |
|                    | 2001952                   | BCAD 1                                                                         | Halal Certified | Kosher Dairy  |
|                    | 1281386                   | BCAD 2                                                                         | Halal Certified | Kosher Dairy  |
|                    | 3144090                   | PFD 1                                                                          | Halal Certified | Kosher Dairy  |
|                    | 1281389                   | PFD 2                                                                          | Halal Certified | Kosher Dairy  |
| Vitamins           | 1015277                   | Enfamil® D-Vi-Sol® (Liquid)                                                    | —               | Kosher Dairy  |
|                    | 1015245                   | Enfamil® Tri-Vi-Sol® (Liquid)                                                  | —               | Kosher Dairy  |

\* For babies who spit up more than 4 times per day.

| Portfolio Category | SKU Number | Product Name                   | Halal Status | Kosher Status |
|--------------------|------------|--------------------------------|--------------|---------------|
| Vitamins           | 1015280    | Enfamil® Poly-Vi-Sol® (Liquid) | —            | Kosher Dairy  |
|                    | 1015154    | Enfamil® Fer-In-Sol® (Liquid)  | —            | Kosher Dairy  |
|                    | 1015278    | Enfamil® Fer-In-Sol® (Syrup)   | —            | Kosher Dairy  |



# Hospital Instructions

## FOR SAFE INFANT FORMULA PREPARATION, STORAGE, AND USE.

**Powdered formulas are not sterile. “To minimize the risk of infection, powdered formulas are not recommended for use in premature or immunocompromised infants unless no appropriate nutritional alternative is available, and then only with strict medical supervision and careful preparation, storage and use.”<sup>1</sup>**

### Preparation and Use Instructions<sup>1,2</sup>

- Follow hospital procedures carefully
- Check label against individual patient’s feeding order (confirm product identity and dilution)
- Wash and dry hands and clean work area thoroughly with an antibacterial sanitizing solution that is appropriate for food contact surfaces
- Ensure container integrity
- Use only sterilized containers and measuring equipment
- Avoid touch contamination of formula at each step
- Visually inspect the formula (if anything looks unusual, set it aside and contact your Mead Johnson representative)
- When preparing powdered or concentrated liquid formulas, chilled, sterilized water is recommended
- Do not use a blender to reconstitute powdered formula
- Do not store in formula warmer or use microwave oven to warm formula

### Storage Instructions for Prepared Formula

#### Refrigeration

- Dedicated refrigerators recommended
- Store at 2-4°C (35-40° F) no longer than 24 hours

#### Room Temperature

- Should be fed immediately, but hold no longer than a total of 2 hours before feeding
- If bottle is warmed, discard after 1 hour

#### After Feeding Begins

- Feed within 1 hour or discard
- Do not refrigerate for later feedings

| Tube-feeding Hangtimes** for Prepared Formula From:                                 | Neonates or Immunocompromised Infants/Children | Infants and Children with Healthy Immune Systems |
|-------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------|
| Ready-To-Feed unaltered infant formula (commercially sterile)                       | 4 hrs                                          | 8 hrs                                            |
| Concentrated liquid formulas (commercially sterile) Powdered formulas (not sterile) | 4 hrs                                          | 4 hrs                                            |
| Powder added to liquid formula or expressed breast milk <sup>3</sup>                | 4 hrs                                          | 4 hrs                                            |
| Liquid (commercially sterile) added to expressed breast milk                        | 4 hrs                                          | 4 hrs                                            |

**Failure to follow these instructions could result in severe harm.**

\* Adapted from: Robbins and Meyers, p.100.<sup>2</sup>

† For reservoir and tube-change guidelines, refer to the ADA publication, *Infant Feedings: Guidelines for Preparation of Formula and Breastmilk in Health Care Facilities*. 2004.

1. International Formula Council. *Infant Feeding: Safety Issues for Health Care Professionals*. Atlanta, GA: International Formula Council; 2004:4.
2. Robbins ST, Meyers R, eds. *Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities*. Chicago, Ill: American Dietetic Association; 2011.
3. Telang S, Berseth CL, Ferguson PW, et al. Fortifying fresh human milk with commercial powdered human milk fortifiers does not affect bacterial growth during 6 hours at room temperature. *J Am Diet Assoc*. 2005;105:1567-1572.

The American Dietetic Association is now known as the Academy of Nutrition and Dietetics.

# Miscellaneous Nutrient Information

## Calculations and Conversions

### *Dietary Reference Intakes – Unit Conversion Factors*

|                  |                                                                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Folate</b>    | 1 DFE = 1 µg food folate                                                                                                                                                                               |
| <b>Niacin</b>    | 1 NE = 1 mg niacin<br>1mg NE = 60 mg tryptophan                                                                                                                                                        |
| <b>Vitamin A</b> | 1 RAE = 1 µg retinol = 3.33 IU retinol<br>For preformed vitamin A, 1 RE = 1RAE                                                                                                                         |
| <b>Vitamin D</b> | 1 µg = 40 IU                                                                                                                                                                                           |
| <b>Vitamin E</b> | 1 IU natural or synthetic Vitamin E = 0.67 mg α-tocopherol equivalent (α-TE)<br>1 IU synthetic Vitamin E and esters = 0.45 mg α-tocopherol<br>1 IU natural Vitamin E and esters = 0.67 mg α-tocopherol |



# **Additional Information**



Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](http://www.enfamil.ca/medical)).

# Alberta Reimbursement List

The following Mead Johnson products are listed on the Alberta Drug Benefit Supplement.

| PIN      | Mead Johnson Product Code | Product                      | Format          | Benefit Category      |
|----------|---------------------------|------------------------------|-----------------|-----------------------|
| 00999817 | 2015524                   | Nutramigen® A+® with LGG®    | 561 g container | Regular Benefit       |
| 00999520 | 1239201                   | Nutramigen® A+® Powder       | 454 g container | Regular Benefit       |
| 00999543 | 1233351                   | Puramino A+® Powder          | 400 g container | Special Authorization |
| 00999876 | 2047834                   | Puramino A+® Junior Powder   | 400 g container | Special Authorization |
| 00999564 | 1171320                   | Enfamil A+® EnfaCare® Powder | 363 g container | Regular Benefit       |
| 00762881 | 1015277                   | Enfamil® D-Vi-Sol® Liquid    | 50 mL bottle    | Restricted Benefit    |
| 00762954 | 1015154                   | Enfamil® Fer-In-Sol® Liquid  | 50 mL bottle    | Restricted Benefit    |
| 00017884 | 1015278                   | Enfamil® Fer-In-Sol® Syrup   | 50 mL bottle    | Restricted Benefit    |
| 00762946 | 1015280                   | Enfamil® Poly-Vi-Sol® Liquid | 50 mL bottle    | Restricted Benefit    |
| 00762903 | 1015245                   | Enfamil® Tri-Vi-Sol® Liquid  | 50 mL bottle    | Restricted Benefit    |

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For more information, please visit:

<https://www.alberta.ca/drug-benefit-list-and-drug-review-process.aspx>

# Ontario Reimbursement List

The following Mead Johnson products are listed on the Ontario Drug Benefit Formulary / Comparative Drug Index.

| PIN      | Mead Johnson Product Code | Product                      | Format          | Benefit Category  |
|----------|---------------------------|------------------------------|-----------------|-------------------|
| 09857565 | 2015524                   | Nutramigen® A+® with LGG®    | 561 g container | Nutrition Product |
| 09857345 | 1239201                   | Nutramigen® A+® Powder       | 454 g container | Nutrition Product |
| 09857369 | 1233351                   | Puramino A+® Powder          | 400 g container | Nutrition Product |
| 09854401 | 2032499                   | Portagen® Powder             | 410 g container | Nutrition Product |
| 09857172 | 1171320                   | Enfamil A+® EnfaCare® Powder | 363 g container | Nutrition Product |
| 00762954 | 1015154                   | Enfamil® Fer-In-Sol® Liquid  | 50 mL bottle    | General Benefit   |

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For more information, please visit:

[https://www.health.gov.on.ca/en/public/programs/drugs/programs/odb/opdp\\_nutrition.aspx](https://www.health.gov.on.ca/en/public/programs/drugs/programs/odb/opdp_nutrition.aspx)

# Quebec Reimbursement List

The following Mead Johnson products are listed on the *Régie de l'assurance maladie du Québec (RAMQ) List of Medications.*

| PIN      | Mead Johnson Product Code | Product                      | Format          | Benefit Category                                                |
|----------|---------------------------|------------------------------|-----------------|-----------------------------------------------------------------|
| 99101338 | 2015524                   | Nutramigen® A+® with LGG®    | 561 g container | Nutritional Formula - Casein Hydrolysate (Infants and Children) |
| 99100532 | 1239201                   | Nutramigen® A+® Powder       | 454 g container | Nutritional Formula - Casein Hydrolysate (Infants and Children) |
| 99100533 | 1238161                   | Pregestimil® A+® Powder      | 454 g container | Nutritional Formula - Casein Hydrolysate (Infants and Children) |
| 99100715 | 1233351                   | Puramino A+® Powder          | 400 g container | Nutritional Formula - Monomeric With Iron (Infants Or Children) |
| 99101278 | 2047834                   | Puramino A+® Junior Powder   | 400 g container | Nutritional Formula - Monomeric With Iron (Infants or Children) |
| 00881201 | 2032499                   | Portagen® Powder             | 410 g container | Nutritional Formula - Skim Milk / Coconut Oil                   |
| 99100122 | 1171320                   | Enfamil A+® EnfaCare® Powder | 363 g container | Nutritional Formula - Post-Discharge Preterm Formula (Infants)  |
| 00762881 | 1015277                   | Enfamil® D-Vi-Sol® Liquid    | 50 mL bottle    | Vitamin D                                                       |
| 00762954 | 1015154                   | Enfamil® Fer-In-Sol® Liquid  | 50 mL bottle    | Iron Preparations                                               |
| 00017884 | 1015278                   | Enfamil® Fer-In-Sol® Syrup   | 250 mL bottle   | Iron Preparations                                               |
| 00762903 | 1015245                   | Enfamil® Tri-Vi-Sol® Liquid  | 50 mL bottle    | Multivitamins                                                   |

LGG® is a registered trademark of Chr. Hansen A/S.

For more information, please visit:

<https://www.ramq.gouv.qc.ca/en/about-us/list-medications>

# Saskatchewan Reimbursement List

The following Mead Johnson products are listed by the Saskatchewan Aids to Independent Living Program and Therapeutic Nutritional Products Program.

| Mead Johnson Product Code | Product                      | Format          | Benefit Category |
|---------------------------|------------------------------|-----------------|------------------|
| 1171320                   | Enfamil A+® EnfaCare® Powder | 363 g container | Eligible Formula |
| 1239201                   | Nutramigen® A+® Powder       | 454 g container | Eligible Formula |
| 2015524                   | Nutramigen® A+® with LGG®    | 561 g container | Eligible Formula |
| 2032499                   | Portagen® Powder             | 410 g container | Eligible Formula |
| 1238161                   | Pregestimil® A+® Powder      | 454 g container | Eligible Formula |
| 2047834                   | Puramino A+® Junior Powder   | 400 g container | Eligible Formula |
| 1233351                   | Puramino A+® Powder          | 400 g container | Eligible Formula |

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For more information, please visit:

<https://www.saskatchewan.ca/residents/health/accessing-health-care-services/health-services-for-people-with-disabilities/sail>



# Healthcare Professional Resource Centre

**Your Partner in Pediatric Nutrition**

**[enfamil.ca/medical](https://www.enfamil.ca/medical)**

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The Mead Johnson Nutrition Healthcare Professional Resource Centre provides information, support tools, and professional education.

Date published 11/2024 – Please reference  
Mead Johnson Nutrition's online Product Handbook  
for the most up to date product details  
([www.enfamil.ca/medical](https://www.enfamil.ca/medical)).