



# Pediatric Products Handbook

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



Hospital Resource Centre: 1 800 263-1143  
Order Desk: 1 877 307-2984

# 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

1 877 307-2984 Order Desk

[Enfamil.ca/medical](http://Enfamil.ca/medical)

Intended for Canadian Healthcare Professionals Only.

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The 59 mL (2 oz) Nursette<sup>®</sup> bottles in the Mead Johnson Nutrition hospital feeding system will undergo artwork changes (labels and cartons) in October 2020.

Please note there is no change to any of the product formulations or nutritional information. **Item codes also will remain the same.** Product bearing the updated labels and packaging will be released progressively, so you can expect to see them in hospitals by October 2020.\*

\*Dependent on volumes in hospitals/warehouses

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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, routine starter formula for healthy term infants.



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Cow's milk-based, iron fortified, routine starter formula for healthy term infants. Lower in iron than other brands\*, fortified with 7.4 mg/L of iron, consistent with an expert recommendation.<sup>1</sup>

<sup>1</sup>Enfamil A+®, Enfamil®: 12.2 mg/L; Similac® Omega 3 & 6. Similac: 12 mg/L; Nestlé® Good Start®, Nestlé Good Start Omega 3 & 6: 10 mg/L. Derived from Canadian Product Labels, purchased November 2012.



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\*Similar to all infant formulas



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\*due to cow's milk protein allergy



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



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5% glucose in water. For oral use only.

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



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\*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.



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**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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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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**Ferrous Sulfate Oral Solution U.S.P.**  
Helps to prevent iron deficiency.



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# Premature Products





# Enfamil® Human Milk Fortifier

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

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## 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)	2.3
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 (mg)	0.0044
Vitamin C (mg)	12
Thiamine (mg)	0.15
Riboflavin (mg)	0.22
Niacin (mg)	3
Pantothenic Acid (mg)	0.73
Vitamin B <sub>6</sub> (mg)	0.115
Folic Acid (mg)	0.025
Vitamin B <sub>12</sub> (mg)	0.00018
Biotin (mg)	0.0027

#### 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 (MTC Oil), Milk Protein Isolate, Whey Protein Isolate Hydrolysate, Soybean Oil, Calcium Phosphate, Calcium Glycerophosphate, Calcium Gluconate, And Less Than 2%: Corn Syrup Solids, Soy Lecithin, Vitamin A Palmitate, Vitamin D<sub>3</sub>, Vitamin E Acetate, 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, Magnesium Phosphate, Potassium Phosphate, Ferrous Sulfate, Zinc Sulfate, Cupric Sulfate, Sodium Citrate, Potassium Chloride, Potassium Citrate.

## PRODUCT FORMS

Product	Format	Unit Size	Shelf Life	Item Number
Enfamil® Human Milk Fortifier	Powder	Four (4) packets 0.71g per packet	12 months	1173080

## 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>1</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>2</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.

1. 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. 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.



# Enfamil A<sup>+</sup>® 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

## 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 (30%), high oleic sunflower or safflower oils (27%), ARA & DHA single cell oil blend (3%)		
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
<b>Vitamins</b>		
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 1000g (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, Cryptocodium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA

## PRODUCT FORMS

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

## 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. **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 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**



# Enfamil A+® 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.

Ⓢ D

## 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 (30%), high oleic sunflower oil (27%), ARA & DHA single cell oil blend (3%)		
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) (mMol)	56 1.81	83 2.7
Magnesium (mg) (mMol)	6.1 0.25	9 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) (mMol)	39 1.71	58 2.5
Potassium (mg) (mMol)	66 1.7	98 2.5
Chloride (mg) (mMol)	61 1.71	90 2.5
<b>Vitamins</b>		
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, Cryptocodinium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+® Premature 20 kcal	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1250747

## 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**



# Enfamil A+® 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.

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## 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 (30%), high oleic sunflower or safflower oils (27%), ARA & DHA single cell oil blend (3%)		
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
<b>Vitamins</b>		
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
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, Cryptocodium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA



## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+® Premature 24 kcal	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1215248

## 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**



# Enfamil A+® EnfaCare®

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).

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## 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 normal dilution	per 100 g powder	per 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) 0.67 (Nursette® Bottle)	4.2	0.9
Linolenic Acid (g)	0.07 (Powder) 0.067 (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

Analysis	per 100 mL normal dilution	per 100 g powder	per 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	1.25
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) 26 (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
<b>Vitamins</b>			
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) 1.48 (Nursette® Bottle)	4.9	2
Pantothenic Acid (mg)	0.63	4.2	0.85
Vitamin B <sub>6</sub> (mg)	0.044 (Powder) 0.074 (Nursette® Bottle)	0.3	0.1

Analysis	per 100 mL normal dilution	per 100 g powder	per 100 kcal
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) 0.0044 (Nursette® Bottle)	0.025	0.006
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) 18.3 (Nursette® Bottle)
Osmolality (mOsm/kg H <sub>2</sub> O)	310 (Powder) 250 (Nursette® Bottle)
Osmolarity (mOsm/L)	280 (Powder) 220 (Nursette® Bottle)
Water (g/100 mL)	89

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, Crypthecodinium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>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, Crypthecodinium Cohnii Oil<sup>§</sup>, 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>)

<sup>§</sup>A source of DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+® EnfaCare®	Powder	363 g	2400 mL (13.5 bottles x 6 fl oz)	18 Months	1171320
	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1215387

## PREPARATION OF FEEDINGS

### POWDER

**WARNING:** 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. Although this powder is formulated for premature infants, 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 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.

### 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 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**

# Infant Products





# Enfamil A+®

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



## INDICATION

Cow's milk-based, iron fortified routine starter infant formula for healthy term infants. Contains DHA (a type of Omega-3 fat) and two dietary fibres (galactooligosaccharides and polydextrose).

## NUTRIENTS

Analysis	per 100 mL normal dilution	per 100 g powder
Energy (kcal/kJ)	68/280	510/2130
Protein (g)	1.35 (Powder) 1.4 (RTF, Conc & Nursette® Bottle)	10.1
% of total energy	8	8

Source: Whey protein concentrate, skim milk

Carbohydrate (g)	7.6 (Powder, RTF & Nursette® Bottle) 7.8 (Conc)	57
% of total energy	44	44
Galactooligosaccharides (g)	0.2	1.52
Polydextrose (g)	0.2	1.52

Source: Lactose, galactooligosaccharides, polydextrose

Fat (g)	3.6 (Powder, RTF & Nursette® Bottle) 3.7 (Conc)	27
% of total energy	48	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 (Powder) 0.5 (RTF, Conc & Nursette® Bottle)	4
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Analysis	per 100 mL normal dilution	per 100 g powder
Linolenic Acid (g)	0.051 (Powder) 0.05 (RTF, Conc & Nursette® Bottle)	0.38
ARA (mg)	23	172
DHA (mg)	11.5 (Powder, RTF & Nursette® Bottle) 11.7 (Conc)	86
<b>Minerals</b>		
Calcium (mg)	53 (Powder, RTF & Nursette® Bottle) 54 (Conc)	390
(mMol - Nursette® Bottle)	1.32	-
Phosphorus (mg)	29 (Powder, RTF & Nursette® Bottle) 30 (Conc)	220
(mMol - Nursette® Bottle)	0.94	-
Magnesium (mg)	5.4 (Powder, RTF & Nursette® Bottle) 5.5 (Conc)	40
(mMol - Nursette® Bottle)	0.22	
Iron (mg)	1.22 (Powder, RTF & Nursette® Bottle) 1.24 (Conc)	9.1
Zinc (mg)	0.68 (Powder, RTF & Nursette® Bottle) 0.69 (Conc)	5.1
Manganese (mg)	0.0102 (Powder) 0.0101 (RTF & Nursette® Bottle) 0.0103 (Conc)	0.076
Copper (mg)	0.051 (Powder, RTF & Nursette® Bottle) 0.052 (Conc)	0.38
Iodine (mg)	0.0102 (Powder) 0.0101 (RTF & Nursette® Bottle) 0.0103 (Conc)	0.076

Analysis	per 100 mL normal dilution	per 100 g powder
Selenium (mg)	0.00189 (Powder, RTF & Nursette® Bottle) 0.00193 (Conc)	0.0141
Sodium (mg)	18.3 (Powder) 18.2 (RTF & Nursette® Bottle) 19 (Conc)	136
(mMol - Nursette® Bottle)	0.79	-
Potassium (mg)	73 (Powder, RTF & Nursette® Bottle) 74 (Conc)	550
(mMol - Nursette® Bottle)	1.87	-
Chloride (mg)	43 (Powder, RTF, Conc & Nursette® Bottle)	320
(mMol - Nursette® Bottle)	1.2	-
<b>Vitamins</b>		
Vitamin A (IU)	200 (Powder, RTF & Nursette® Bottle) 210 (Conc)	1520
Vitamin D (IU)	41 (Powder, RTF, Conc & Nursette® Bottle)	300
Vitamin E (IU)	1.35 (Powder, RTF & Nursette® Bottle) 1.38 (Conc)	10.1
Vitamin K (mg)	0.0061 (Powder, RTF & Nursette® Bottle) 0.0062 (Conc)	0.045
Vitamin C (mg)	8.1 (Powder, RTF & Nursette® Bottle) 8.3 (Conc)	61
Thiamine (mg)	0.054 (Powder, RTF & Nursette® Bottle) 0.055 (Conc)	0.4
Riboflavin (mg)	0.095 (Powder, RTF & Nursette® Bottle) 0.096 (Conc)	0.71
Niacin (mg)	0.68 (Powder, RTF & Nursette® Bottle) 0.69 (Conc)	5

Analysis	per 100 mL normal dilution	per 100 g powder
Pantothenic Acid (mg)	0.34	2.5
Vitamin B <sub>6</sub> (mg)	0.041 (Powder, RTF, Conc & Nursette® Bottle)	0.3
Folic Acid (mg)	0.0108 (Powder, RTF & Nursette® Bottle) 0.011 (Conc)	0.081
Vitamin B <sub>12</sub> (mg)	0.0002 (Powder, RTF & Nursette® Bottle) 0.00021 (Conc)	0.00152
Biotin (mg)	0.002 (Powder, RTF & Nursette® Bottle) 0.0021 (Conc)	0.0152
Choline (mg)	16.2 (Powder, RTF & Nursette® Bottle) 16.5 (Conc)	121
Inositol (mg)	4.1 (Powder, RTF, Conc & Nursette® Bottle)	30
Carnitine (mg)	1.35 (Powder, RTF & Nursette® Bottle) 1.38 (Conc)	10.1
Taurine (mg)	4.1 (Powder, RTF, Conc & Nursette® Bottle)	30
Nucleotides (mg)	2.8 (Powder, RTF & Nursette® Bottle) 2.9 (Conc)	21

#### Other Characteristics

Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>	12.5
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

### POWDER

Lactose, Modified Milk Ingredients, Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Soy Lecithin, Corn Syrup Solids, Mortierella Alpina Oil, Maltodextrin, Crypthecodinium Cohnii Oil<sup>§</sup>, 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 Oxide, Manganese Sulfate, Potassium Chloride, 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>).

<sup>§</sup>A Source of DHA

### CONCENTRATE

Water, Lactose, Modified Milk Ingredients, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Mono- And Diglycerides, Mortierella Alpina Oil, Crypthecodinium Cohnii Oil<sup>§</sup>, Carrageenan, Taurine, Maltodextrin, Corn Syrup Solids, 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 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>).

<sup>§</sup>A source of DHA

### 59 mL NURSETTE® BOTTLE

Water, Lactose, Modified Milk Ingredients, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Mono- And Diglycerides, Soy Lecithin, Mortierella Alpina Oil, Carrageenan, Crypthecodinium Cohnii Oil<sup>§</sup>, Taurine, Maltodextrin, Corn Syrup Solids, 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 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 DHA

### 237 mL READY TO FEED

Water, Modified Milk Ingredients, Lactose, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Mono- And Diglycerides, Soy Lecithin, Mortierella Alpina Oil, Carrageenan, Crypthecodinium Cohnii Oil<sup>§</sup>, Taurine, Maltodextrin, Corn Syrup Solids, 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 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 DHA

## PRODUCT FORMS




Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+®	Powder	663 g	4900 mL (21 bottles x 8 fl oz)	18 Months	1278790
	Powder	992 g	7400 mL (31 bottles x 8 fl oz)	18 Months	1278789
	Concentrate	385 mL	770 mL (3 bottles x 8 fl oz)	15 Months	1269807
	RTF	237 mL	237 mL (1 bottle x 8 fl oz)	12 Months	2005492
	Nursette® Bottle (retail)	59 mL	59 mL (2 fl oz)	12 Months	1269779
	Nursette® Bottle (hospital)	59 mL	59 mL (2 fl oz)	12 Months	2042056



## 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 tub/carton 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.

**TUB: Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. After opening, and between uses, keep tub lid and pouch 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+® infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

**BOX: Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil A+® tubs, sold separately. After opening, keep pouch and tub lid tightly closed, store in dry area, and use contents within 1 month. Use tub with Enfamil A+® infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

## 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. Boil clean bottles, nipples, caps, can opener 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. Clean top of can with previously boiled water, <b>SHAKE WELL</b> and open.	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> .

**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.

**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, remove protective seal around cap</b>, remove cap and foil seal.</p>	<p>3. Attach NIPPLE UNIT (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 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. 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.

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



# Enfamil A+® Hypercaloric Nursette® Bottle

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

Ⓚ D

## 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, skim milk	
Carbohydrate (g)	8.8
% 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)	0.65
Linolenic Acid (g)	0.065
ARA (mg)	28
DHA (mg)	13.8
Minerals	
Calcium (mg)	63
(mMol)	1.58
Phosphorus (mg)	35
(mMol)	1.13

Analysis	per 100 mL
Magnesium (mg)	6.5
(mMol)	0.27
Iron (mg)	1.46
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
<b>Vitamins</b>	
Vitamin A (IU)	240
Vitamin D (IU)	49
Vitamin E (IU)	1.62
Vitamin K (mg)	0.0073
Vitamin C (mg)	9.7
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)	19.5
Inositol (mg)	4.9
Carnitine (mg)	1.62
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, Crypthecodinium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A source of DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+® Hypercaloric	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1210915

## 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**





# Enfamil®

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

Ⓢ D

## INDICATION

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

## NUTRIENTS

Analysis	per 100 mL normal dilution	per 100 g powder
Energy (kcal/kJ)	68/280	510/2130
Protein (g)	1.4	10.8
% of total energy	8.5	8.5
Source: Skim 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

Analysis	per 100 mL normal dilution	per 100 g powder
Copper (mg)	0.051	0.38
Iodine (mg)	0.0101	0.077
Selenium (mg)	0.00189	0.0143
Sodium (mg)	18	138
Potassium (mg)	73	550
Chloride (mg)	43	320
<b>Vitamins</b>		
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
<b>Other Characteristics</b>		
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
Enfamil®	Powder	900 g	6900 mL (29 bottles x 8 fl oz)	36 Months	1274015

## 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.



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> 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.

**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.



# Enfamil® Lower Iron Than Other Enfamil® Brands

Cow's milk-based, iron fortified, routine starter formula for healthy term infants. Lower in iron than other brands\*, fortified with 7.4 mg/L of iron, consistent with an expert recommendation.<sup>1\*</sup>

Enfamil A<sup>+</sup>, Enfamil®: 12.2 mg/L; Similac® Omega 3 & 6, Similac: 12 mg/L; Nestlé® Good Start®, Nestlé Good Start Omega 3 & 6: 10 mg/L. Derived from Canadian Product Labels, purchased November 2012.



## INDICATION

Cow's milk-based, iron fortified, routine starter formula for healthy term infants. Lower in iron than other brands\*, fortified with 7.4 mg/L of iron, consistent with an expert recommendation.<sup>1</sup>

\*Enfamil A<sup>+</sup>, Enfamil®: 12.2 mg/L; Similac® Omega 3 & 6, Similac: 12 mg/L; Nestlé® Good Start®, Nestlé Good Start Omega 3 & 6: 10 mg/L. Derived from Canadian Product Labels, purchased November 2012.

## NUTRIENTS

Analysis	per 100 mL normal dilution	per 100 g powder
Energy (kcal/kJ)	68/280	510/2130
Protein (g)	1.42	10.8
% of total energy	8.5	8.5
Source: Whey protein concentrate, skim milk		
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

Analysis	per 100 mL normal dilution	per 100 g powder
<b>Minerals</b>		
Calcium (mg)	53	400
Phosphorus (mg)	29	220
Magnesium (mg)	5.4	41
Iron (mg)	0.74	5.6
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)	0.00189	0.0143
Sodium (mg)	18.3	138
Potassium (mg)	73	550
Chloride (mg)	43	320
<b>Vitamins</b>		
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>2</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>3</sup>.

1. Raiten DJ, et al. Eds. Life Sciences Research Office. Assessment of nutrient requirements for infant formulas. *J Nutr.* 1998;128(11S):2059S-2294S. 2. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14. 3. 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
Enfamil® Lower Iron Than Other Enfamil® Brands	Powder	900 g	6900 mL (29 bottles x 8 fl oz)	36 Months	1274014

## 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
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.

**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.





# Enfamil A+ Gentlease®

Cow's milk-based, iron fortified first-switch infant formula designed to be easy to digest\*.

\* Similar to all infant formulas



## INDICATION

Cow's milk-based, iron fortified first-switch infant formula designed to be easy to digest\*. Contains partially hydrolyzed whey and casein protein, reduced level of lactose† and DHA (a type of Omega-3 fat)

## NUTRIENTS

Analysis	per 100 mL normal dilution	per 100 g
Energy (kcal/kJ)	68/280	510/2130
Protein (g)	1.56 (Powder) 1.6 ( RTF)	11.7
% of total energy	9	9
Source: Partially hydrolyzed nonfat milk and whey protein concentrate		
Carbohydrate (g)	7.3	55
% of total energy	43	43
Source: Corn syrup solids, lactose		
Fat (g)	3.6	27
% of total energy	48	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 (Powder) 0.5 (RTF)	4.1
Linolenic Acid (g)	0.049 (Powder) 0.05 (RTF)	0.37
ARA (mg)	23	173
DHA (mg)	11.5 (Powder) 11(RTF)	87

Analysis	per 100 mL normal dilution	per 100 g
<b>Minerals</b>		
Calcium (mg)	55	420
Phosphorus (mg)	31	230
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
Iodine (mg)	0.0101	0.077
Selenium (mg)	0.00189	0.0143
Sodium (mg)	24 (Powder) 27 (RTF)	184
Potassium (mg)	73	550
Chloride (mg)	43	320
<b>Vitamins</b>		
Vitamin A (IU)	200	1530
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	0.71
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	0.00153
Biotin (mg)	0.002	0.0153
Choline (mg)	16.2	122
Inositol (mg)	4.1	31
Carnitine (mg)	1.35	10.2
Taurine (mg)	4.1	31

Other Characteristics	
Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>	14 (Powder) 14.1 (RTF)
Osmolality (mOsm/kg H <sub>2</sub> O)	230 (Powder) 200 (RTF)
Osmolarity (mOsm/L)	210 (Powder) 180 (RTF)
Water (g/100 mL)	90

\*Similar to all infant formulas

†~1/5 of the lactose of a full-lactose, routine, milk-based formula.

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, Partially Hydrolyzed Modified Milk Ingredients (Soy), Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Mortierella Alpina Oil, Lactose, Crypthecodinium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA

### 237 mL READY TO FEED

Water, Corn Syrup Solids, Partially Hydrolyzed Modified Milk Ingredients (Soy), Palm Olein Oil, Soy Oil, Coconut Oil, Rice Starch, High Oleic Sunflower Oil, Mortierella Alpina Oil, Carrageenan, Crypthecodinium Cohnii Oil<sup>§</sup>, Taurine, L-Carnitine, Lactose, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Magnesium Chloride, Manganese Sulfate, Potassium Chloride, 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 DHA

## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+ Gentlease®	Powder	629 g	4700 mL (20 bottles x 8 fl oz)	21 Months	1278788
	Powder	942 g	7100 mL (30 bottles x 8 fl oz)	21 Months	1278787
	RTF	237 mL	237 mL (1 bottle x 8 fl oz)	12 Months	2050851

## PREPARATION OF FEEDINGS

### POWDER

**WARNING: 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>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.

## TUB

**Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. After opening, and between uses, keep tub lid and pouch 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+ Gentlease® infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

## BOX

**Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil A+ Gentlease® tubs, sold separately. After opening, keep pouch and tub lid tightly closed, store in dry area, and use contents within 1 month. Use tub with Enfamil A+ Gentlease® infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

## 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. **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. 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 prepared 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+® 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 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 (43.5%), soy (19.5%), coconut (19.5%), high oleic sunflower (14.5%) oils, ARA & DHA single cell oil blend (3%)		
Linoleic Acid (g)	0.5	3.9
Linolenic Acid (g)	0.05	0.4
ARA (mg)	23	169
DHA (mg)	11.5	85

Analysis	per 100 mL normal dilution	per 100 g
<b>Minerals</b>		
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
<b>Vitamins</b>		
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. <sup>1</sup>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, Rice Starch, Palm Olein Oil, Lactose, Maltodextrin, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Mortierella Alpina Oil#, Corn Syrup Solids, Cryptocodium Cohnii Oil§, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Manganese Sulfate, 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
Enfamil A+® For feeding babies who frequently Spit Up†	Powder	629 g	5000 mL (21 bottles x 8 fl oz)	18 Months	2047807

## 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.



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**. LET BOTTLE SIT 5 MINUTES.

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 powder at room temperature; avoid extreme temperatures. After opening and between uses, keep tub lid and pouch 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 infant 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><sup>®</sup> Lactose Free

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



## 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 of children with galactosemia.

## NUTRIENTS

Analysis	per 100 mL normal dilution
Energy (kcal/kJ)	68/280
Protein (g)	1.42
% of total energy	8.5
Source: Milk protein isolate	
Carbohydrate (g)	7.4
% of total energy	43.5
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 <sup>®</sup> Bottle) 0.58 (Conc)
Linolenic Acid (g)	0.051 (Nursette <sup>®</sup> Bottle) 0.054 (Conc)
ARA (mg)	23
DHA (mg)	11.5
Minerals	
Calcium (mg)	55
(mMol - Nursette <sup>®</sup> Bottle)	1.38
Phosphorus (mg)	31
(mMol - Nursette <sup>®</sup> Bottle)	1.0

Analysis	per 100 mL normal dilution
Magnesium (mg)	5.4
(mMol - Nursette® Bottle)	0.22
Iron (mg)	1.22
Zinc (mg)	0.68
Manganese (mg)	0.0101
Copper (mg)	0.051
Iodine (mg)	0.0101
Selenium (mg)	0.00189
Sodium (mg)	20
(mMol - Nursette® Bottle)	0.88
Potassium (mg)	74
(mMol - Nursette® Bottle)	1.9
Chloride (mg)	45
(mMol - Nursette® Bottle)	1.28
<b>Vitamins</b>	
Vitamin A (IU)	200
Vitamin D (IU)	41
Vitamin E (IU)	1.35
Vitamin K (mg)	0.0061
Vitamin C (mg)	8.1
Thiamine (mg)	0.054
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
Vitamin B <sub>12</sub> (mg)	0.0002
Biotin (mg)	0.002
Choline (mg)	16.2
Inositol (mg)	4.1
Carnitine (mg)	1.35
Taurine (mg)	4.1
Nucleotides (mg)	2.8

Other Characteristics	
Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>	13.2 (Nursette® Bottle) 13 (Conc)
Osmolality (mOsm/kg H <sub>2</sub> O)	200 (Nursette® Bottle)
Osmolarity (mOsm/L)	182 (Nursette® Bottle)
Water (g/100 mL)	91

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, Milk Protein Isolate, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Mortierella Alpina Oil#, Mono- And Diglycerides, Soy Lecithin, Cryptocodinium Cohnii Oil<sup>§</sup>, 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 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, Cryptocodinium Cohnii Oil<sup>§</sup>, 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 DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+ <sup>®</sup> Lactose Free	Concentrate	385 mL	770 mL (3 bottles x 8 fl oz)	12 Months	1241760
	Nursette <sup>®</sup> Bottle	59 mL	59 mL (2 fl oz)	12 Months	1271623

## 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.

		
<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**



# 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.

Ⓢ Pareve manufactured on dairy equipment

## 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 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 (Conc) 0.58 (Nursette <sup>®</sup> Bottle)
Linolenic Acid (g)	0.1 (Conc) 0.054 (Nursette <sup>®</sup> Bottle)
ARA (mg)	23
DHA (mg)	11.5
Minerals	
Calcium (mg)	71
(mMol - Nursette <sup>®</sup> Bottle)	1.77



Analysis	per 100 mL normal dilution
Phosphorus (mg)	47
(mMol - Nursette® Bottle)	1.51
Magnesium (mg)	5.4
(mMol - Nursette® Bottle)	0.22
Iron (mg)	1.22
Zinc (mg)	0.81
Manganese (mg)	0.0169
Copper (mg)	0.051
Iodine (mg)	0.0101
Selenium (mg)	0.00189
Sodium (mg)	24
(mMol - Nursette® Bottle)	1.06
Potassium (mg)	81
(mMol - Nursette® Bottle)	2.1
Chloride (mg)	54
(mMol - Nursette® Bottle)	1.52
<b>Vitamins</b>	
Vitamin A (IU)	200
Vitamin D (IU)	41
Vitamin E (IU)	1.35
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)	0.0108
Vitamin B <sub>12</sub> (mg)	0.0002
Biotin (mg)	0.002
Choline (mg)	16.2
Inositol (mg)	4.1
Carnitine (mg)	1.35
Taurine (mg)	4.1

## Other Characteristics

Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>	15.6 (Conc) 15.8 (Nursette® Bottle)
Osmolality (mOsm/kg H <sub>2</sub> O)	170 (Conc) 200 (Nursette® Bottle)
Osmolarity (mOsm/L)	155 (Conc) 180 (Nursette® Bottle)
Water (g/100 mL)	91 (Conc) 90 (Nursette® Bottle)

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, Soy Protein Isolate, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Soy Lecithin, Mono- And Diglycerides, Mortierella Alpina Oil#, L-Methionine, Cryptocodium Cohnii Oil<sup>§</sup>, Taurine, Carrageenan, 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 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, 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<sup>§</sup>, 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 DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Enfamil A+® Soy	Concentrate	385 mL	770 mL (3 bottles x 8 fl oz)	12 Months	2054099
	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1271716

## 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. 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:** 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.

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



# 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 normal dilution	per 100 g 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)	7.1	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)	0.6	4.3
Linolenic Acid (g)	0.1	0.4
ARA (mg)	23	172
DHA (mg)	12	86
Lactobacillus rhamnosus GG (cfu)	1.35 x 10 <sup>7</sup>	1x10 <sup>8</sup>

Analysis	per 100 mL normal dilution	per 100 g powder
<b>Minerals</b>		
Calcium (mg)	65	470
Phosphorus (mg)	36	260
Magnesium (mg)	5.5	40
Iron (mg)	1.24	9.1
Zinc (mg)	0.69	5.1
Manganese (mg)	0.0172	0.126
Copper (mg)	0.052	0.38
Iodine (mg)	0.0103	0.076
Selenium (mg)	0.00192	0.0141
Sodium (mg)	32	237
Potassium (mg)	76	556
Chloride (mg)	59	430
<b>Vitamins</b>		
Vitamin A (IU)	210	1520
Vitamin D (IU)	34	250
Vitamin E (IU)	1.37	10.1
Vitamin K (mg)	0.0062	0.045
Vitamin C (mg)	8.2	61
Thiamine (mg)	0.055	0.4
Riboflavin (mg)	0.062	0.45
Niacin (mg)	0.69	5.1
Pantothenic Acid (mg)	0.34	2.5
Vitamin B <sub>6</sub> (mg)	0.041	0.3
Folic Acid (mg)	0.011	0.081
Vitamin B <sub>12</sub> (mg)	0.00021	0.00152
Biotin (mg)	0.0021	0.0152
Choline (mg)	16.5	121
Inositol (mg)	11.7	86
Carnitine (mg)	1.37	10.1
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)	90

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, Hydrolyzed Casein\* (From Milk), Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Modified Corn Starch, Mortierella Alpina Oil, L-Cystine, Cryptocodium Cohnii Oil<sup>§</sup>, 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    §A Source of DHA




## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Nutramigen® A+® with LGG®	Powder	561g	4100 mL (17.5 bottles x 237 mL / 8 fl oz)	18 Months	2015524

## 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, 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 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 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.

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





# 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	per 100 mL normal dilution	per 100 g powder
Energy (kcal/kJ)	68/280	500/2080
Protein (g)	1.89	13.9
% of total energy	11	11
Source: Hydrolyzed casein, amino acid premix		
Carbohydrate (g)	7	51
% of total energy	41	41
Source (Powder): Corn syrup solids, modified corn starch. Source (Nursette® Bottle): Corn syrup, starch.		
Fat (g)	3.6	26
% of total energy	48	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)	0.58	4.3
Linolenic Acid (g)	0.054	0.4
ARA (mg)	23	169
DHA (mg)	11.5	85
<b>Minerals</b>		
Calcium (mg)	64	470
(mMol - Nursette® Bottle)	1.59	-

Analysis	per 100 mL normal dilution	per 100 g powder
Phosphorus (mg) (mMol - Nursette® Bottle)	35 1.13	260 -
Magnesium (mg) (mMol - Nursette® Bottle)	5.4 0.22	40 -
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) (mMol - Nursette® Bottle)	32 1.38	230 -
Potassium (mg) (mMol - Nursette® Bottle)	74 1.9	550 -
Chloride (mg) (mMol - Nursette® Bottle)	58 1.64	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)	300 (Powder) 320 (Nursette® Bottle)
Osmolarity (mOsm/L)	270 (Powder) 290 (Nursette® Bottle)
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

### 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, 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    §A Source of DHA

### 59 mL NURSETTE® BOTTLE

Water, Corn Syrup Solids, Hydrolyzed Casein (From Milk), Modified Corn Starch, Palm Olein Oil, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Carrageenan, Citric Acid, Mortierella Alpina Oil, L-Cystine, Cryptocodinium Cohnii Oil<sup>§</sup>, L-Tyrosine, L-Tryptophan, Taurine, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, (May Contain Potassium Hydroxide), **Minerals** (Calcium Carbonate, 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>).

§A source of DHA

## PRODUCT FORMS




Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Nutramigen® A+®	Powder	454 g	3300 mL (14 bottles x 8 fl oz)	18 Months	1239201
	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1272691

## 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 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 can, 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>

**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**



# 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.**



## 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 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 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
<b>Other Characteristics</b>		
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, Cryptocodinium Cohnii Oil<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA

## PRODUCT FORMS




Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
PURAMINO A+®	Powder	400 g	2900 mL (12 bottles x 8 fl oz)	15 Months	1233351

## 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 can to measure powder. Store **DRY** scoop in this can.

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

1 unpacked level scoop of powder weighs 4.5 g. Each scoop adds about 3 mL to the amount of prepared formula.

**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.

**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.



# 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.**

U D  IFANCA

## 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 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 corn starch		
Fat (g)	4.5	22
% of total energy	40	40
Source: High olein 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 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
<b>Vitamins</b>		
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)	0.01	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<sup>§</sup>, 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>).

<sup>§</sup>A Source of DHA

## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
PURAMINO A+ <sup>®</sup> JUNIOR	Powder	400 g	2000 mL (8 bottles x 8 fl oz)	15 Months	2047834

## 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.**<sup>‡</sup> 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+® 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.

<sup>‡</sup>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+® 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.**

## References

1. Fomon SF, 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.
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.
4. 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



# 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 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) 41 (Nursette® 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) 48 (Nursette® 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
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Analysis	per 100 mL normal dilution	per 100 g
Linolenic Acid (g)	0.064 (Powder) 0.081 (Nursette® Bottle)	0.48
ARA (mg)	23	170
DHA (mg)	11.5	85
<b>Minerals</b>		
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	-
<b>Vitamins</b>		
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

Analysis	per 100 mL 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) 290 (Nursette® Bottle)
Osmolarity (mOsm/L)	280 (Powder) 260 (Nursette® Bottle)
Water (g/100 mL)	88 (Powder) 90 (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), 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, L-Cystine, Cryptocodium 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 DHA

### 59 mL NURSETTE® BOTTLE

Water, Corn Syrup Solids, Hydrolyzed Casein\* (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, 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 DHA

## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Pregestimil® A+®	Powder	454 g	3400 mL (14 bottles x 8 fl oz)	21 Months	1238161
	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1273987

## PREPARATION OF FEEDINGS

### POWDER

**WARNING:** 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.

**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.

**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.

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



# Enfamil A+<sup>®</sup> 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 normal dilution	per 100 g
Energy (kcal/kJ)	68/280	500/2090
Protein (g)	1.76 (Powder & Conc) 1.8 (RTF)	12.9
% of total energy	10	10

Source: Skim milk

Carbohydrate (g)	7.3 (Powder) 7.7 (Conc) 7.1 (RTF)	54
% of total energy	42 (Powder & RTF) 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) 3.4 (Conc)	26
% of total energy	48 (Powder & RTF) 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%)

Analysis	per 100 mL normal dilution	per 100 g
Linoleic Acid (g)	0.54 (Powder) 0.55 (Conc) 0.5 (RTF)	4
Linolenic Acid (g)	0.052 (Powder) 0.047 (Conc) 0.1 (RTF)	0.38
ARA (mg)	23	169
DHA (mg)	11.5 (Powder & Conc) 11 (RTF)	84
<b>Minerals</b>		
Calcium (mg)	132 (Powder) 80 (Conc) 81 (RTF)	970
Phosphorus (mg)	88 (Powder) 53 (Conc) 54 (RTF)	650
Magnesium (mg)	5.4 (Powder & RTF) 5.5 (Conc)	40
Iron (mg)	1.01	7.4
Zinc (mg)	0.68 (Powder & RTF) 0.65 (Conc)	5
Manganese (mg)	0.0101 (Powder & RTF) 0.0108 (Conc)	0.074
Copper (mg)	0.051 (Powder & RTF) 0.058 (Conc)	0.37
Iodine (mg)	0.0068 (Powder & RTF) 0.0169 (Conc)	0.05
Selenium (mg)	0.00189 (Powder & RTF) 0.002 (Conc)	0.0139
Sodium (mg)	24 (Powder & RTF) 27 (Conc)	179
Potassium (mg)	88 (Powder & RTF) 91 (Conc)	650
Chloride (mg)	54	400

Analysis	per 100 mL normal dilution	per 100 g
Vitamins		
Vitamin A (IU)	200 (Powder & RTF) 210 (Conc)	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 (Powder & RTF) 5.5 (Conc)	60
Thiamine (mg)	0.054 (Powder & RTF) 0.068 (Conc)	0.4
Riboflavin (mg)	0.095 (Powder & RTF) 0.088 (Conc)	0.7
Niacin (mg)	0.68 (Powder & RTF) 0.71 (Conc)	5
Pantothenic Acid (mg)	0.34	2.5
Vitamin B <sub>6</sub> (mg)	0.041 (Powder & RTF) 0.043 (Conc)	0.3
Folic Acid (mg)	0.0108 (Powder & RTF) 0.0128 (Conc)	0.079
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 (Powder & RTF) 12.2 (Conc)	30
Carnitine (mg)	1.35	9.9
Taurine (mg)	4.1 (Powder) 3.5 (Conc) 3.8 (RTF)	30

Other Characteristics	
Renal Solute Load (mOsm/100 mL) <sup>1</sup>	17.6 (Powder)
	16.8 (Conc)
	16.6 (RTF)
Osmolality (mOsm/kg H <sub>2</sub> O)	270 (Powder)
	280 (Conc)
	250 (RTF)
Osmolarity (mOsm/L)	240 (Powder)
	250 (Conc)
	230 (RTF)
Water (g/100 mL)	89 (Powder)
	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, Higholeic Sunflower Oil, Polydextrose, Galactooligosaccharide Solids (GOS), Soy Lecithin, Mortierella Alpina Oil<sup>#</sup>, Cryptocodium Cohnii Oil<sup>§</sup>, 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>).

<sup>#</sup>A Source of ARA    <sup>§</sup>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, Cryptocodium Cohnii Oil<sup>§</sup>, 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 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, Cryptocodium Cohnii Oil<sup>§</sup>, 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 DHA

## PRODUCT FORMS

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

## 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 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. Ask your baby's doctor about the need to use cooled, boiled water for mixing and the need to boil clean scoop, utensils, bottles and nipples in water before use.

		
<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 water and powder. Use scoop in tub/carton to measure powder. Store **DRY** scoop in this tub/pouch.

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.

**TUB: Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. After opening and between uses, keep tub lid and pouch 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+® 2

infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

**BOX: Storage/Handling:** Store powder at room temperature; avoid extreme temperatures. Refill pouches can be used with reusable Enfamil A+® 2 tubs, sold separately. After opening, keep pouch and tub lid tightly closed, store in dry area, and use contents within 1 month. Use tub with Enfamil A+® 2 infant formula only. Keep powder fresh and prevent bacterial growth by assuring 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.

## 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, **SHAKE WELL** and open.



3. Pour desired amount of water into the bottle. Add an **equal** amount of concentrated liquid. Cap bottle and **SHAKE WELL**.



**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. Ask your baby's doctor which formula is appropriate for your baby. Ask your doctor about the need to boil clean utensils, bottles and nipples in water before use. 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, remove protective seal around cap</b>, remove cap and foil seal.</p>	<p>3. Attach <b>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. 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 prepared formula. After feeding begins, use formula within one hour or discard.

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



# Enfamil<sup>®</sup> 2

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



## INDICATION

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

## NUTRIENTS

Analysis	per 100 mL normal dilution	per 100 g
Energy (kcal/kJ)	68/280	502/2100
Protein (g)	1.7	13
% of total energy	10	10
Source: Skim milk		
Carbohydrate (g)	7.4	55
% of total energy	45	45
Source: Lactose, corn syrup		
Fat (g)	3.4	25
% of total energy	45	45
Source: Palm olein (45%), soy (20%), coconut (20%), high oleic sunflower (15%) oils		
Linoleic Acid (g)	0.55	4.1
Linolenic Acid (g)	0.06	0.4
Minerals		
Calcium (mg)	80	600
Phosphorus (mg)	52	390
Magnesium (mg)	5.5	41

Analysis	per 100 mL normal dilution	per 100 g
Iron (mg)	1.2	9.0
Zinc (mg)	0.6	4.8
Manganese (mg)	0.01	0.06
Copper (mg)	0.06	0.4
Iodine (mg)	0.011	0.08
Selenium (mg)	0.002	0.02
Sodium (mg)	23	175
Potassium (mg)	90	680
Chloride (mg)	60	450
<b>Vitamins</b>		
Vitamin A (IU)	208	1560
Vitamin D (IU)	40	300
Vitamin E (IU)	1.3	10
Vitamin K (mg)	0.006	0.05
Vitamin C (mg)	5.5	41
Thiamine (mg)	0.07	0.5
Riboflavin (mg)	0.07	0.5
Niacin (mg)	0.7	5.3
Pantothenic Acid (mg)	0.3	2.5
Vitamin B <sub>6</sub> (mg)	0.04	0.3
Folic Acid (mg)	0.01	0.1
Vitamin B <sub>12</sub> (mg)	0.0002	0.0015
Biotin (mg)	0.002	0.02
Choline (mg)	11	80
Inositol (mg)	12	90
Carnitine (mg)	n/a	n/a
Taurine (mg)	4	30

## Other Characteristics

Potential Renal Solute Load (mOsm/100 mL) <sup>1</sup>	16.6
Osmolality (mOsm/kg H <sub>2</sub> O)	Not Available
Osmolarity (mOsm/L)	Not Available
Water (g/100 mL)	91

n/a = none added

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, Corn Syrup Solids, Palm Olein Oil, Lactose, Ascorbyl Palmitate, Soy Oil, Coconut Oil, High Oleic Sunflower Oil, Soy Lecithin, Taurine, **Minerals** (Calcium Chloride, Calcium Phosphate, Cupric Sulfate, Ferrous Sulfate, Manganese Sulfate, 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, 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
Enfamil® 2	Powder	900 g	6800 mL (29 bottles x 8 fl oz)	36 Months	1274013

## 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 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. Ask your baby's doctor about the need to use cooled, boiled water for mixing and the need to boil clean scoop, utensils, bottles and nipples in water before use.

		
<p>1. Wash hands thoroughly with soap and water before preparing formula.</p>	<p>2. Pour desired amount of water into the bottle. Add powder.</p>	<p>3. Cap bottle and <b>SHAKE WELL.</b></p>

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

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 48 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.

**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.





# Entamil® Sterile Water

Sterile water for oral use only.

Ⓢ Pareve Ingredients; manufactured on dairy equipment

## INDICATION

Water for oral use only.

## INGREDIENT

Water

## PRODUCT FORMS

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

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

## 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, use within one hour or discard.

**WARNING:** Do not use a microwave oven to warm formula. 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**



# Entamil® 5% Glucose in Water

5% glucose in water. For oral use only.

Ⓢ Pareve Ingredients; manufactured on dairy equipment

## 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
Entamil® 5% Glucose in Water	Nursette® Bottle	59 mL	59 mL (2 fl oz)	12 Months	1216351

## 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.

		
<p>1. Wash hands thoroughly with soap and water before preparing bottle for feeding.</p>	<p>2. 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>

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 and prolonged exposure to light. Do not freeze.

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

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



# Toddler Products





# Enfagrow A<sup>+</sup>®

Cow's milk-based, nutritional supplement designed for toddlers 12-36 months of age.

U D

## INDICATION

Cow's milk-based, nutritional supplement designed for toddlers 12-36 months 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 Reconstituted (36 g or 3 unpacked level scoops of powder)	Amount per serving (Ready to Drink)
Energy (kcal/kJ)	160/676	160/676
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
Riboflavin (mg)	0.36	0.36

Analysis	per 200 mL Serving Reconstituted (36 g or 3 unpacked level scoops of powder)	Amount per serving (Ready to Drink)
Niacin (NE)	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)	0.00032	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)	0.04	0.04
Chloride (mg)	180	180

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

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

## INGREDIENTS

### VANILLA FLAVOUR POWDER

Skim Milk Powder, Corn Syrup Solids, Palm Olein Oil, Sugar, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Natural And Artificial Vanilla Flavour, Soy Lecithin, Microencapsulated Tuna Oil<sup>§</sup> (Tuna Oil, Sodium Caseinate, Dried Glucose Syrup, Dextrose, Sodium Ascorbate, Tocopherols, 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, Corn Syrup Solids, Palm Olein Oil, Coconut Oil, Soy Oil, High Oleic Sunflower Oil, Galactooligosaccharide Solids (GOS), Polydextrose, Microencapsulated Tuna Oil<sup>§</sup> (Tuna Oil, Sodium Caseinate, Dried Glucose Syrup, Dextrose, Sodium Ascorbate, Tocopherols, Soy Lecithin), Soy Lecithin, Natural Flavour, 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, Crypthecodinium Cohnii Oil<sup>§</sup>, 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, Crypthecodinium Cohnii Oil<sup>§</sup>, 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
Enfagrow A+® Vanilla	Powder	907 g	25 x 200 mL	12 Months	3181752
	Ready to Drink	237 mL	237 mL (1 bottle x 8 fl oz)	12 Months	2053715
Enfagrow A+® Milk Flavour	Powder	907 g	25 x 200 mL	12 Months	3181749
	Ready to Drink	237 mL	237 mL (1 bottle x 8 fl oz)	12 Months	2053714

## PREPARATION OF FEEDINGS

### POWDER

Enfagrow A+® is for toddlers 1-3 years old and not intended for infants under 1 year of age.

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

**Storage:** After opening can, store tightly covered at room temperature in a dry area. Store **DRY** scoop in the 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.



# Medical Products





# Portagen®

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



## INDICATION

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

## NUTRIENTS

Analysis	per 100 mL	per 100 g
Energy (kcal/kJ)	101/420	470/1970
Protein (g)	3.7	17
% of total energy	14	14
Source: Sodium Caseinate		
Carbohydrate (g)	11.6	54
% of total energy	46	46
Source: Corn Syrup Solids, Sugar		
Fat (g)	4.7	22
% of total energy	40	40
Source: MCT (87%), Corn oil (13%)		
Linoleic Acid (g)	0.28	1.3
Minerals		
Calcium (mg)	95	440
Phosphorus (mg)	71	330
Magnesium (mg)	21	96
Iron (mg)	1.89	8.8
Zinc (mg)	0.95	4.4
Manganese (mg)	0.127	0.59
Copper (mg)	0.159	0.74
Iodine (mg)	0.0071	0.033

Analysis	per 100 mL	per 100 g
Selenium (mg)	n/a	n/a
Sodium (mg)	52	240
Potassium (mg)	127	590
Chloride (mg)	86	400
<b>Vitamins</b>		
Vitamin A (IU)	340	1560
Vitamin D (IU)	28	130
Vitamin E (IU)	1.59	7.4
Vitamin K (mg)	0.008	0.037
Vitamin C (mg)	3.9	18
Thiamine (mg)	0.08	0.37
Riboflavin (mg)	0.095	0.44
Niacin (mg)	1.05	4.9
Pantothenic Acid (mg)	0.54	2.5
Vitamin B <sub>6</sub> (mg)	0.105	0.49
Folic Acid (mg)	0.0101	0.047
Vitamin B <sub>12</sub> (mg)	0.00032	0.0015
Biotin (mg)	0.0039	0.018
Choline (mg)	1.35	63
Inositol (mg)	nd	nd
Carnitine (mg)	2.9	13.3
Taurine (mg)	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 dietician.

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
Portagen®	Powder	410 g	2.1 L @ 30 kcal/30 mL	24 Months	2032499

## 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.

**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.



# Enfamil® Enfalyte®

## Oral Electrolyte Solution

Oral electrolyte maintenance solution.  
Light cherry flavour.

Ⓢ Pareve Ingredients; manufactured on dairy equipment

### 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	
Sodium (mg)	115
(mMol)	5
Potassium (mg)	98
(mMol)	2.5
Chloride (mg)	160
(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	Shelf Life	Item Number
Enfamil® Enfalyte® Oral Electrolyte Solution	Nursette® Bottle	177 mL	12 Months	2021478



# Metabolics





# Phenyl-Free<sup>®</sup> 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	500/2090
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)	76	560
(mMol)	1.93	14.3
Chloride (mg)	58	430
(mMol)	1.64	12.1
<b>Vitamins</b>		
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)	6.9	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, Cryptocodium 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 Docosahexaenoic Acid (DHA)

## PRODUCT FORMS




Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
Phenyl-Free <sup>®</sup> 1	Powder	454 g	Yield Not Applicable to Metabolics	18 Months	2001922

## 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 phenylketonuria under the direct and continuing supervision of your baby's doctor.

**WARNING:** This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine to support growth, using other foods with phenylalanine as required. Your baby's doctor must carefully and constantly supervise the use of Phenyl-Free® 1 with other foods 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 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 <b>SHAKE WELL</b>.</p>

**Your baby's doctor will provide instructions for the correct amount of water and powder.** Each scoop (unpacked and level) delivers **approximately 4.5 g** of powder. Use scoop in can to measure powder. Store **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.

**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.



# 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
<b>Vitamins</b>		
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
<b>Other Characteristics</b>		
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
Phenyl-Free® 2	Powder	454 g	Yield Not Applicable to Metabolics	24 Months	1281335

## 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.

**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

Analysis	per 100 mL	per 100 g
Manganese (mg)	0.34	1.57
Copper (mg)	0.34	1.57
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
<b>Vitamins</b>		
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
<b>Other Characteristics</b>		
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

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

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
Phenyl-Free® 2 HP	Powder	454 g	Yield Not Applicable to Metabolics	24 Months	1281334

## 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.

**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	500/2090
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
<b>Vitamins</b>		
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, Crypthecodinium 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
TYROS 1	Powder	454 g	Yield Not Applicable to Metabolics	18 Months	2001957






## PREPARATION OF FEEDINGS

**Mead Johnson TYROS 1** is to be used only in the dietary management of infants and young children with tyrosinemia Type I and Type II under the direct and continuing supervision of your baby's doctor.

**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. Your doctor must carefully and constantly supervise use of TYROS 1 with other foods 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 water and powder. Each scoop (unpacked and level) delivers approximately 4.5 g of powder.

**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.

**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.

### 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
TYROS 2	Powder	454 g	Yield Not Applicable to Metabolics	24 Months	1281396

## 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.

**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).

## 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	500/2090
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)	0.0054	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)*	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, Cryptocodium 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 Docosahexaenoic Acid (DHA)

## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
BCAD 1	Powder	454 g	Yield Not Applicable to Metabolics	18 Months	2001952

## PREPARATION OF FEEDINGS

**Mead Johnson BCAD 1** is to be used only in the dietary management of infants and young children with Maple Syrup Urine Disease under the direct and continuing supervision of your baby's doctor.

**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. Your doctor must carefully and constantly supervise use of BCAD 1 with other foods 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.



1. Wash hands thoroughly. 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 vigorously.

**Your baby's doctor will provide instructions for the correct amount of water and powder.** Each scoop (unpacked and level) delivers approximately 4.5 g of powder.

**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.

**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.

### 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)	1.39	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
BCAD2	Powder	454 g	Yield Not Applicable to Metabolics	24 Months	1281386

## 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.

Measure the correct amount of water into a suitable container for mixing. Then add the required amount of **BCAD 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.

**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**

## 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

Analysis	per 100 mL	per 100 g
Phosphorus (mg) (mMol)	69 2.2	530 17.1
Magnesium (mg) (mMol)	10.3 0.42	79 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) (mMol)	36 1.58	280 12.2
Potassium (mg) (mMol)	90 2.3	690 17.6
Chloride (mg) (mMol)	69 1.94	530 14.9
<b>Vitamins</b>		
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>†</sup>	8
Osmolality (mOsm/kg H <sub>2</sub> O) <sup>†</sup>	171
Osmolarity (mOsm/L) <sup>†</sup>	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.

<sup>†</sup>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, 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 Docosahexaenoic Acid (DHA)

## PRODUCT FORMS

Product	Format	Unit Size	Approximate Product Yield at Normal Dilution	Shelf Life	Item Number
PFD 1	Powder	454 g	Yield Not Applicable to Metabolics	18 Months	2001927

## PREPARATION OF FEEDINGS

**Mead Johnson PFD 1** is to be used only in the dietary management of infants and young children with inborn errors of amino acid metabolism under the direct and continuing supervision your baby's doctor.

**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. Your doctor must carefully and constantly supervise use of PFD 1 with other foods 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.



1. Wash hands thoroughly. 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 vigorously.

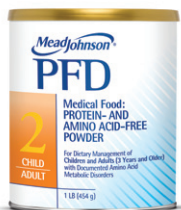
Your baby's doctor will provide instructions for the correct amount of water and powder. Each scoop (unpacked and level) delivers approximately 4.5 g of powder.

**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.

**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.**

### 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
<b>Vitamins</b>		
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>†</sup>	9.8
Osmolality (mOsm/kg H <sub>2</sub> O) <sup>†</sup>	450
Osmolarity (mOsm/L) <sup>†</sup>	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.**

<sup>†</sup> 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
PFD 2	Powder	454 g	Yield Not Applicable to Metabolics	24 Months	1281389

## 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 14.9 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.

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

# Vitamins





# Enfamil<sup>®</sup> D-Vi-Sol<sup>®</sup> (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<sup>®</sup> D-Vi-Sol<sup>®</sup> 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<sup>®</sup> D-Vi-Sol<sup>®</sup> 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.



**REFERENCES**

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
Entamil® D-Vi-Sol®	Liquid	50 mL	Yield Not Applicable to Vitamin	18 Months	1015277



# Enfamil<sup>®</sup> Tri-Vi-Sol<sup>®</sup> (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.

ⓈD

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<sup>®</sup> Tri-Vi-Sol<sup>®</sup> vitamin liquid provides 3 frequently prescribed vitamins in amounts suitable for daily administration to infants and toddlers. Enfamil<sup>®</sup> Tri-Vi-Sol<sup>®</sup> 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
Entamil® Tri-Vi-Sol®	Liquid	50 mL	Yield Not Applicable to Vitamin	15 Months	1015245



# Enfamil<sup>®</sup> Poly-Vi-Sol<sup>®</sup> (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.

Ⓢ D

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

Enfamil<sup>®</sup> Poly-Vi-Sol<sup>®</sup> 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
Entamil® Poly-Vi-Sol®	Liquid	50 mL	Yield Not Applicable to Vitamin	15 Months	1015280



# 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

## 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).

### NON-MEDICINAL INGREDIENTS

Natural flavouring, citric acid anhydrous, ethyl alcohol, sodium bisulfate, sorbital solution, sugar and purified water.

### 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
Entamil® Fer-In-Sol®	Liquid	50 mL	Yield Not Applicable to Vitamin	24 Months	1015154



# Enfamil<sup>®</sup> Fer-In-Sol<sup>®</sup> (Syrup)

Ferrous Sulfate Oral Solution  
U.S.P.

Helps to prevent iron deficiency.

Ⓢ

NPN 00017884

## INDICATION

Helps to prevent iron deficiency. Enfamil<sup>®</sup> Fer-in-Sol<sup>®</sup> 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

## 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



**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)

**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
Entamil® Fer-In-Sol®	Syrup	250 mL	Yield Not Applicable to Vitamin	24 Months	1015278



# Accessories



# Entamil® Nipples

Entamil® Nipples are designed to be used with Nursette® bottles. Four 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. Entamil® Nipples are made of surgical-grade plastic and are latex free.



## Entamil® Standard-Flow Soft Nipple

**Item # 1208370 - 240 per case**

A standard-flow single hole (0.014"), 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



## Entamil® Slow-Flow Soft Nipple

**Item # 1208371- 240 per case**

A slow-flow, single hole (0.011"), 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



## Entamil® Extra Slow Flow Soft Nipple

**Item # 2035942 - 240 per case**

A slower flow, single hole (0.009"), soft nipple for when a slower flow rate than the Entamil® Slow Flow Soft Nipple 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



## NUK® Orthodontic Slow Flow Nipple

Item # 3158117 - 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.

\*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

**Available for orders starting August 2021**

Product Composition	Latex (Y/N)	BPA (Y/N)	PVC (Y/N)	Phthalates or DEHP
Surgical-grade plastic (TPE)	N	N	N	N

# Feeding Bottles and Specialty Nursers

Mead Johnson distributes plastic bottles, Grad-U-Feed® Nursers, Snappies® Breast Milk Storage Containers and Cleft Lip/Palate Nursers. 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

## NEW IMPROVED PRODUCT FORMATS



## Grad-U-Feed® Nurer

**Item # 2051330 - 100 per case**

The Grad-U-Feed® Nurer 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 nurer can collect and store breast milk and infant formula\*. The ready-to-use sterile nurer can withstand freezing temperatures as low as -24°C and have been drop tested for product integrity. The Grad-

U-Feed® Nurer is made of polypropylene and is latex free. Grad-U-Feed® Caps are sold separately, SKU #2051331 and will need to go through hospital sterilisation process. 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 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® Nurseries. They must be sterilized before use and are designed to be used one time only.<sup>†</sup>

Product Composition	Latex (Y/N)	BPA (Y/N)	PVC (Y/N)	Phthalates or DEHP
Polypropylene	N	N	N	N



### Snappies® 35 mL Breast Milk Storage Container<sup>†</sup>

**Item # 1282190 – 100 per case**

1 oz Snappies® are 35 mL ready-to-use, breast milk storage containers. The aseptic, all-in-one solution simplifies the collection, storage and feeding of expressed breast milk. It eliminates the need to transfer precious breast milk

between containers and thus lowers the chance of contamination and risk of infection. The flip-top cap is conveniently hinged to the Snappies® container so it can be opened and closed with one hand.

Product Composition	Latex (Y/N)	BPA (Y/N)	PVC (Y/N)	Phthalates or DEHP
Polypropylene	N	N	N	N

<sup>†</sup>Contact your Hospital Account Manager to confirm if you have access. Product introduction is currently on restricted basis.



### Snappies® 70 mL Breast Milk Storage Container

**Item # 1233036 – 200 per case**

Snappies® are 70 mL (2.3 fl oz) breast milk storage containers designed to collect, store, and feed expressed breast milk. Snappies® are designed as one piece. The flip top cap is conveniently hinged to the Snappies® container so it can be opened and closed with one hand. The bottles are aseptic and ready to use. The bottles can withstand freezing temperatures as low as minus 57°C (minus 70°F).

Product Composition	Latex (Y/N)	BPA (Y/N)	PVC (Y/N)	Phthalates or DEHP
Polypropylene	N	N	N	N



**Cleff Lip/Palate Nurser**  
**Item # 1015466 – 72 per case**

The Cleff 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



**11 mL Colostrum Collector**  
**Item # 2007218 - 100 per case**

11 mL Colostrum Collectors are designed to collect, store, and freeze hand expressed colostrum. These containers are aseptic, airtight, ready to use and can withstand freezing temperatures.

Product Composition	Latex (Y/N)	BPA (Y/N)	PVC (Y/N)	Phthalates or DEHP
Polypropylene	N	N	N	N

Information accurate as of June 2020

DEHP is Di-[2-ethylhexyl] phthalate or di-octyl phthalate

\*Steele C, Collins E, eds. Infant and Pediatric Feeding Third Edition: Guidelines for Preparation of Human milk and Formula in Health Care Facilities. Chicago, 3rd Ed., Academy of Nutrition and Dietetics

†Grad-U-Feed® Caps (Item #2051331) will come in separate packaging and will need to go through routine hospital sterilization process.





# Dilution Tables and Preparation



# 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+®

### 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	58 (2.0)	65 (2.2)
22	0.74	52 (1.8)	59 (2.0)
24	0.81	48 (1.6)	54 (1.8)
26	0.88	43 (1.5)	50 (1.7)
27	0.91	42 (1.4)	48 (1.6)
28	0.95	40 (1.3)	46 (1.6)
30	1.01	37 (1.2)	43 (1.5)

†Enfamil A+® 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 A+® powder provides 44 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® Lower Iron than other Enfamil® brands

### 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	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	40 (1.4)	47 (1.6)
30	1.01	37 (1.3)	44 (1.5)

<sup>†</sup>Enfamil® Lower Iron formulas should be measured with **unpacked**, 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 Enfamil® Lower Iron 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®

### 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	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)

†Enfamil A+® EnfaCare® powder 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 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† added to indicated Volume of Water, mL (fl oz)	Formula Yield, mL (fl oz)
per fl oz‡	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)

†Enfamil A+® 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 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‡	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	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 provide 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+ Gentlelease®

#### 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 (1.8)
26	0.88	44 (1.5)	50 (1.7)
27	0.91	42 (1.4)	49 (1.6)
28	0.95	40 (1.4)	47 (1.6)
30	1.01	37 (1.3)	44 (1.5)

†Enfamil A+ Gentlelease® 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 A+ Gentlelease® powder provides 44 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<sup>+</sup>® For feeding babies who frequently Spit Up

### 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	59 (2.0)	66 (2.2)
22	0.74	53 (1.8)	60 (2.0)
24	0.81	48 (1.6)	55 (1.9)

†Enfamil A<sup>+</sup>® For feeding babies who frequently Spit Up<sup>†</sup> should be measured with **unpacked**, level scoops.

‡Fluid ounce measures in above table are rounded to the nearest 0.1 fl oz.

Enfamil A<sup>+</sup>® For feeding babies who frequently Spit Up<sup>†</sup> 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<sup>+</sup>® For feeding babies who frequently Spit Up<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

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

## Nutramigen® A<sup>+</sup>® with LGG®

### 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	38 (1.3)	44 (1.5)

†Nutramigen® A<sup>+</sup>® with LGG® powders should be measured with **packed**, 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 Nutramigen® A+® with LGC® powder provide 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+®

### 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	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® A+® powders should be measured with **packed**, 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 Nutramigen® A+® powder provide 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+®****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	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)

†PURAMINO A+® 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 PURAMINO A+® 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

## 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)

†Pregestimil® A+® should be measured with **packed**, 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 Pregestimil® A+® powder provide 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+®	8.8	44	0.76	5.1	10.6
Enfamil®	8.7	45	0.77	5.1	10.8
Enfamil® Lower Iron than other Enfamil® brands	8.7	45	0.77	5.1	10.8
Nutramigen® A+® with LGG®	9*	45	0.76	5.0	13.9
Nutramigen® A+®	9*	45	0.77	5.0	13.9
PURAMINO A+®	4.5	22	0.77	5.0	13.9†
PURAMINO A+® JUNIOR	6.8	33	0.75	4.9	14†
Pregestimil® A+®	8.9*	45	0.78	5.0	14
Enfamil A+® For feeding babies who frequently Spit Up	8.9	45	0.76	5.0	12.4
Enfamil A+® EnfaCare®	9.8	48	0.76	4.9	13.8
Enfamil A+® Gentlease®	8.7	44	0.77	5.1	11.7
Enfamil® 2	8.9	45	0.72	5.0	13
Enfamil A+® 2	9	45	0.77	5.0	12.9
Enfagrow A+® Vanilla and Milk Flavour	12	53	0.74	4.4	17.8
Phenyl-Free® 1	4.5	23	0.76	5.0	16.2†
Phenyl-Free® 2	14.4	59	0.67	4.1	22†

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†
BCAD 1	4.5	23	0.77	5.0	16.2†
BCAD 2	14.5	59	0.67	4.1	24†
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†
TYROS 2	14.5	59	0.67	4.1	22†
Portagen®	9.4*	44	0.75	4.7	17

\*Packed level measure - all others are unpacked level measures.

†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+®, Enfamil A+® Lactose Free, Enfamil A+® Soy and Enfamil A+® 2**

kcal Desired		mL (fl oz) of water to add to 385 mL can of concentrated liquid	Formula Yield, 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

# Nursette® Bottle Or Breast Milk Preparation Guidelines

## 59 mL NURSETTE® BOTTLE OR BREAST MILK PREPARATION - 20-30 kcal/30 mL

General guidelines are provided as a convenience, based on calculated results of mixing; not clinically tested. Approximate household measurements are provided as a convenience when a precise dilution is not required. If necessary, see scoop information for Mead Johnson Nutrition powder products. Undiluted concentrated liquid formulas provide 1.35 kcal/mL.

The choices of caloric level and appropriate additions to infant formula or breast milk for a particular infant are clinical judgments best made by the dietitian or doctor most familiar with the baby's medical history and nutritional needs. When choosing an appropriate addition, consider the effect on nutrient composition and osmolality. Make changes gradually to decrease risk of intolerance.

### Starting with 20 kcal/30 mL, 59 mL (Formula or Breast Milk)

Choose One Additive:

Goal	Powder Formula*	Conc. Liquid Formula
22 kcal/30 mL	0.9 g	7 mL (~1 ½ tsp)
24 kcal/30 mL	1.8 g	15 mL (~1 Tbsp)
27 kcal/30 mL	3.2 g	32 mL (~2 Tbsp)

### Starting with 22 kcal/30 mL, 59 mL Formula

Choose One Additive:

Goal	Water	Powder Formula*	Conc. Liquid Formula
20 kcal/30 mL	6 mL (~1 tsp)	—	—
24 kcal/30 mL	—	0.9 g	7 mL (~1 ½ tsp)
27 kcal/30 mL	—	2.3 g	23 mL (~1 Tbsp + 1 ½ tsp)
30 kcal/30 mL	—	3.8 g	47 mL (~3 Tbsp)

Starting with 24 kcal/30 mL, 59 mL (Formula or Fortified Breast Milk)

Choose One Additive:

Goal	Water	Powder Formula*	Conc. Liquid Formula
20 kcal/30 mL	12 mL (~2 ½ tsp)	—	—
22 kcal/30 mL	5.5 mL (~1 tsp)	—	—
27 kcal/30 mL	—	1.4 g	14 mL (~1 Tbsp)
30 kcal/30 mL	—	2.8 g	35 mL (~2 Tbsp + 1 tsp)

**\*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.<sup>1</sup>**

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

# Amino Acids Profile

## Infant Formula Amino Acid Compositions

### ESSENTIAL AMINO ACIDS

Product	Histidine	Isoleucine	Leucine	Lysine	Methionine
Enfamil A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	50 250	116 590	210 1080	180 910	46 230
Enfamil A <sup>+</sup> Gentlease <sup>®</sup> mg/100 kcal mg/100 g	58 290	133 680	250 1250	210 1050	53 270
Enfamil A <sup>+</sup> <sup>®</sup> For feeding babies who frequently Spit Up mg/100 kcal mg/100 g	73 360	130 640	250 1250	210 1040	63 310
Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup> mg/100 kcal mg/100 g*	70 350	162 800	300 1480	250 1240	64 320
Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	84 420	162 810	270 1370	240 1180	73 360
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> with LGG <sup>®</sup> mg/100 kcal mg/100 g*	84 420	162 810	270 1360	240 1170	73 360
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	84 420	162 810	270 1360	240 1170	73 360
PURAMINO A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g	73 360	190 950	340 1710	220 1110	64 320
PURAMINO A <sup>+</sup> <sup>®</sup> JUNIOR mg/100 kcal mg/100 g	73 360	190 950	340 1720	220 1120	64 320
Enfamil A <sup>+</sup> <sup>®</sup> 2 mg/100 kcal mg/100 g*	75 370	135 670	260 1300	220 1080	65 320
Enfagrow A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	116 520	210 930	400 1800	340 1500	100 450



Product	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
Enfamil A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	36 184	84 420	80 400	122 620	35 177	122 620
Enfamil A <sup>+</sup> Gentlease <sup>®</sup> mg/100 kcal mg/100 g	42 210	97 490	92 470	140 710	40 200	140 710
Enfamil A <sup>+</sup> <sup>®</sup> For feeding babies who frequently Spit Up mg/100 kcal mg/100 g	23 112	125 620	125 620	115 570	35 175	158 780
Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup> mg/100 kcal mg/100 g*	51 250	118 580	112 550	171 840	49 240	171 840
Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	48 240	137 690	59 290	129 640	46 230	200 1010
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> with LGG <sup>®</sup> mg/100 kcal mg/100 g*	48 240	137 680	59 290	129 640	46 230	200 1000
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	48 240	137 680	59 290	129 640	46 230	200 1000
PURAMINO A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g	73 360	140 700	151 750	171 850	67 330	210 1060
PURAMINO A <sup>+</sup> <sup>®</sup> JUNIOR mg/100 kcal mg/100 g	73 360	140 700	151 750	171 850	67 340	210 1060
Enfamil A <sup>+</sup> <sup>®</sup> 2 mg/100 kcal mg/100 g*	23 116	130 650	130 650	120 590	37 182	164 810
Enfagrow A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	36 160	200 890	200 890	184 820	56 250	250 1120

\*powder only

## NONESSENTIAL AMINO ACIDS

Product	Arginine	Alanine	Aspartic Acid	Glutamic Acid
Enfamil A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	60 300	88 440	200 990	400 2000
Enfamil A <sup>+</sup> Gentlease <sup>®</sup> mg/100 kcal mg/100 g	69 350	101 510	230 1150	460 2300
Enfamil A <sup>+</sup> <sup>®</sup> For feeding babies who frequently Spit Up mg/100 kcal mg/100 g	88 430	85 420	200 990	550 2700
Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup> mg/100 kcal mg/100 g*	84 410	123 610	270 1350	560 2800
Pregestimil <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	112 560	95 480	210 1060	640 3200
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> with LGG <sup>®</sup> mg/100 kcal mg/100 g*	112 560	95 470	210 1060	640 3200
Nutramigen <sup>®</sup> A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	112 560	95 470	210 1060	640 3200
PURAMINO A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g	148 740	270 1350	560 2800	168 830
PURAMINO A <sup>+</sup> <sup>®</sup> JUNIOR mg/100 kcal mg/100 g	148 740	270 1360	560 2800	168 840
Enfamil A <sup>+</sup> <sup>®</sup> 2 mg/100 kcal mg/100 g*	91 450	88 440	210 1030	570 2800
Enfagrow A <sup>+</sup> <sup>®</sup> mg/100 kcal mg/100 g*	140 620	136 610	320 1420	880 3900

Product	Glycine	Proline	Serine
Enfamil A+® mg/100 kcal mg/100 g*	40 200	160 810	114 580
Enfamil A+ Gentlease® mg/100 kcal mg/100 g	46 230	184 940	131 670
Enfamil A+® For feeding babies who frequently Spit Up mg/100 kcal mg/100 g	50 250	250 1230	145 720
Enfamil A+® EnfaCare® mg/100 kcal mg/100 g*	56 280	220 1100	160 790
Pregestimil® A+® mg/100 kcal mg/100 g*	59 290	290 1470	162 810
Nutramigen® A+® with LGG® mg/100 kcal mg/100 g*	59 290	290 1460	162 810
Nutramigen® A+® mg/100 kcal mg/100 g*	59 290	290 1460	162 810
PURAMINO A+® mg/100 kcal mg/100 g	73 360	280 1390	171 850
PURAMINO A+® JUNIOR mg/100 kcal mg/100 g	73 360	280 1400	171 850
Enfamil A+® 2 mg/100 kcal mg/100 g*	52 260	260 1280	151 750
Enfagrow A+® mg/100 kcal mg/100 g*	80 360	400 1760	230 1030

\*powder only

†Concentrate values vary slightly

# Metabolic Formula Amino Acid Compositions

## ESSENTIAL AMINO ACIDS

Product	Histidine	Isoleucine	Leucine	Lysine	Methionine
BCAD 1 mg/100 kcal mg/100 g	109 550	0 0	0 0	350 1770	93 470
BCAD 2 mg/100 kcal mg/100 g	220 890	0 0	0 0	700 2900	189 770
PFD 1 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0	0 0
PFD 2 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0	0 0
Phenyl-Free® 1 mg/100 kcal mg/100 g	80 410	230 1150	420 2100	260 1300	70 360
Phenyl-Free® 2 mg/100 kcal mg/100 g	135 550	380 1560	700 2900	430 1760	119 480
Phenyl-Free® 2 HP mg/100 kcal mg/100 g	260 1000	720 2800	1330 5200	820 3200	220 880
TYROS 1 mg/100 kcal mg/100 g	83 420	240 1200	440 2200	270 1370	73 370
TYROS 2 mg/100 kcal mg/100 g	135 550	390 1580	710 2900	440 1800	119 480

Product	Cysteine	Phenyl- alanine	Tyrosine	Threonine	Tryptophan	Valine
BCAD 1 mg/100 kcal mg/100 g	67 340	182 920	182 920	150 760	80 410	0 0
BCAD 2 mg/100 kcal mg/100 g	136 550	370 1490	370 1490	300 1220	159 650	0 0
PFD 1 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0	0 0	0 0
PFD 2 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0	0 0	0 0
Phenyl-Free® 1 mg/100 kcal mg/100 g	48 240	0 0	320 1600	147 750	58 290	250 1250
Phenyl-Free® 2 mg/100 kcal mg/100 g	81 330	0 0	530 2200	250 1010	97 400	420 1690
Phenyl-Free® 2 HP mg/100 kcal mg/100 g	153 600	0 0	1010 4000	470 1840	184 720	790 3100
TYROS 1 mg/100 kcal mg/100 g	53 270	0 0	0 0	155 780	63 320	260 1320
TYROS 2 mg/100 kcal mg/100 g	86 350	0 0	0 0	250 1030	103 420	430 1740

## NONESSENTIAL AMINO ACIDS

Product	Arginine	Alanine	Aspartic Acid	Glutamic Acid
BCAD 1 mg/100 kcal mg/100 g	230 1180	250 1280	310 1560	610 3100
BCAD 2 mg/100 kcal mg/100 g	420 1730	460 1870	550 2300	1100 4500
PFD 1 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0
PFD 2 mg/100 kcal mg/100 g	0 0	0 0	0 0	0 0
Phenyl-Free® 1 mg/100 kcal mg/100 g	192 970	210 1070	250 1280	510 2600
Phenyl-Free® 2 mg/100 kcal mg/100 g	320 1320	360 1450	430 1740	850 3500
Phenyl-Free® 2 HP mg/100 kcal mg/100 g	610 2400	670 2600	810 3200	1610 6300
TYROS 1 mg/100 kcal mg/100 g	220 1100	240 1200	290 1450	570 2900
TYROS 2 mg/100 kcal mg/100 g	360 1450	390 1580	470 1910	930 3800

Product	Glycine	Proline	Serine
BCAD 1 mg/100 kcal mg/100 g	141 710	310 1560	154 780
BCAD 2 mg/100 kcal mg/100 g	250 1030	550 2300	280 1130
PFD 1 mg/100 kcal mg/100 g	0 0	0 0	0 0
PFD 2 mg/100 kcal mg/100 g	0 0	0 0	0 0
Phenyl-Free® 1 mg/100 kcal mg/100 g	115 580	250 1280	125 630
Phenyl-Free® 2 mg/100 kcal mg/100 g	194 790	430 1740	210 860
Phenyl-Free® 2 HP mg/100 kcal mg/100 g	370 1440	810 3200	400 1560
TYROS 1 mg/100 kcal mg/100 g	129 650	290 1450	142 720
TYROS 2 mg/100 kcal mg/100 g	210 860	470 1910	230 950

# Portagen® Amino Acid Composition

## ESSENTIAL AMINO ACIDS

Product	Histidine	Isoleucine	Leucine	Lysine	Methionine
mg/100 kcal	104	184	350	290	101
mg/100 mL	490	870	1630	1380	480

Product	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
mg/100 kcal	15.5	191	210	158	56	240
mg/100 mL	73	900	990	750	270	1120

## NONESSENTIAL AMINO ACIDS

Product	Arginine	Alanine	Aspartic Acid	Glutamic Acid
mg/100 kcal	133	115	260	830
mg/100 mL	630	540	1240	3900

Product	Glycine	Proline	Serine
mg/100 kcal	68	390	210
mg/100 mL	320	1850	1000



# Premature Formula Amino Acid Compositions

## ESSENTIAL AMINO ACIDS

Product	Histidine	Isoleucine	Leucine	Lysine	Methionine
Enfamil A+® Premature 20 kcal (59 mL) mg/100 kcal mg/100 mL	75	174	320	270	69
	50	116	210	180	46
Enfamil A+® Premature 24 kcal (59 mL) mg/100 kcal mg/100 mL	75	174	320	270	69
	60	139	260	220	55
Enfamil A+® Premature High Protein (59 mL) mg/100 kcal mg/100 mL	88	200	370	320	81
	70	162	300	250	64
Enfamil® Human Milk Fortifier Powder mg/100 kcal mg/100 g	200	470	870	730	186
	1000	2300	4300	3600	920
Enfamil A+® EnfaCare® (59 mL) mg/100 kcal mg/100 mL	70	162	300	250	64
	53	122	220	189	48

Product	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
Enfamil A <sup>+</sup> <sup>®</sup> Premature 20 kcal (59 mL)						
mg/100 kcal	55	126	120	183	53	183
mg/100 mL	36	84	80	122	35	122
Enfamil A <sup>+</sup> <sup>®</sup> Premature 24 kcal (59 mL)						
mg/100 kcal	55	126	120	183	53	183
mg/100 mL	44	101	96	146	42	146
Enfamil A <sup>+</sup> <sup>®</sup> Premature High Protein (59 mL)						
mg/100 kcal	64	147	140	210	61	210
mg/100 mL	51	118	112	171	49	171
Enfamil <sup>®</sup> Human Milk Fortifier Powder						
mg/100 kcal	147	340	320	490	142	490
mg/100 g	730	1680	1600	2400	700	2400
Enfamil A <sup>+</sup> <sup>®</sup> EnfaCare <sup>®</sup> (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 <sup>+</sup> ® Premature 20 kcal (59 mL)				
mg/100 kcal	90	132	290	600
mg/100 mL	60	88	200	400
Enfamil A <sup>+</sup> ® Premature 24 kcal (59 mL)				
mg/100 kcal	90	132	290	600
mg/100 mL	72	106	240	480
Enfamil A <sup>+</sup> ® Premature High Protein (59 mL)				
mg/100 kcal	105	154	340	700
mg/100 mL	84	123	270	560
Enfamil® Human Milk Fortifier Powder				
mg/100 kcal	240	360	790	1620
mg/100 g	1200	1760	3900	8000
Enfamil A <sup>+</sup> ® EnfaCare® (59 mL)				
mg/100 kcal	84	123	270	560
mg/100 mL	63	92	210	420

Product	Glycine	Proline	Serine
Enfamil A <sup>+</sup> ® Premature 20 kcal (59 mL)			
mg/100 kcal	60	240	171
mg/100 mL	40	160	114
Enfamil A <sup>+</sup> ® Premature 24 kcal (59 mL)			
mg/100 kcal	60	240	171
mg/100 mL	48	192	137
Enfamil A <sup>+</sup> ® Premature High Protein (59 mL)			
mg/100 kcal	70	280	200
mg/100 mL	56	220	160
Enfamil® Human Milk Fortifier Powder			
mg/100 kcal	162	650	460
mg/100 g	800	3200	2300
Enfamil A <sup>+</sup> ® EnfaCare® (59 mL)			
mg/100 kcal	56	220	160
mg/100 mL	42	168	120

# 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.

Product	Kosher Status
Enfagrow A+®	Kosher Dairy
Enfamil A+ Gentlease®	Kosher Dairy
Enfamil A+®	Kosher Dairy
Enfamil A+® Hypercaloric	Kosher Dairy
Enfamil A+® Lactose Free	Kosher Dairy
Enfamil A+® Soy	Kosher Pareve
Enfamil A+® For feeding babies who frequently Spit Up†	Kosher Dairy
Enfamil®	Kosher Dairy
Enfamil® Glucose in Water	Kosher Pareve (Manufactured on dairy equipment)
Enfamil® D-Vi-Sol® (Liquid)	Kosher
Enfamil A+® EnfaCare®	Kosher Dairy
PURAMINO A+®	Kosher Dairy
PURAMINO A+® JUNIOR	Kosher Dairy
Enfamil® Enfalyte® Oral Electrolyte Solution	Kosher Pareve (Manufactured on dairy equipment)

Product	Kosher Status
Enfamil® Fer-In-Sol® (Liquid)	Kosher
Enfamil® Fer-In-Sol® (Syrup)	Kosher
Enfamil® Human Milk Fortifier	Kosher Dairy
Enfamil® Lower Iron Than Other Enfamil® Brands	Kosher Dairy
Enfamil® Poly-Vi-Sol® (Liquid)	Kosher
Enfamil® A+® Premature 20 kcal	Kosher Dairy
Enfamil® A+® Premature 24 kcal	Kosher Dairy
Enfamil® A+® Premature High Protein	Kosher Dairy
Enfamil® Tri-Vi-Sol® (Liquid)	Kosher
Enfamil® Sterile Water	Kosher Pareve (Manufactured on dairy equipment)
Enfamil® 2	Kosher Dairy
Enfamil A+® 2	Kosher Dairy
Portagen®	Kosher Pareve (Manufactured on dairy equipment)
Nutramigen® A+®	Not Kosher
Nutramigen® A+® with LGG®	Not Kosher
Pregestimil® A+®	Not Kosher

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

# 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 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+® and PURAMINO A+® JUNIOR.

## **Pork**

The casein protein in our Nutramigen® A+®, Nutramigen® A+® with LGG® and Pregestimil® A+® 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.

Product	Halal	Nucleotide or pork ingredients
Enfagrow A+®	—	—
Enfamil A+ Gentlease®	—	—
Enfamil A+®	—	Nucleotides dried with alcohol
Enfamil A+® Hypercaloric	—	—
Enfamil A+® Lactose Free	—	Nucleotides dried with alcohol
Enfamil A+® Soy	—	—
Enfamil A+® For feeding babies who frequently Spit Up†	—	—

Product	Halal	Nucleotide or pork ingredients
Enfamil®	—	Nucleotides dried with alcohol
Enfamil® Glucose in Water	—	—
Enfamil® D-Vi-Sol® (Liquid)	—	—
Enfamil A+® EnfaCare®	—	Nucleotides dried with alcohol
PURAMINO A+®	Halal Certified	—
PURAMINO A+® JUNIOR	Halal Certified	—
Enfamil® Enfalyte® Oral Electrolyte Solution	—	—
Enfamil® Fer-In-Sol® (Liquid)	—	Contains small amount of Ethyl Alcohol
Enfamil® Fer-In-Sol® (Syrup)	—	—
Enfamil® Human Milk Fortifier	Halal Certified (product label has not been updated to reflect this)	—
Enfamil® Lower Iron Than Other Enfamil® Brands	—	Nucleotides dried with alcohol
Enfamil® Poly-Vi-Sol® (Liquid)	—	—
Enfamil® A+® Premature 20 kcal	—	Nucleotides dried with alcohol
Enfamil® A+® Premature 24 kcal	—	Nucleotides dried with alcohol
Enfamil® A+® Premature High Protein	—	Nucleotides dried with alcohol
Enfamil® Tri-Vi-Sol® (Liquid)	—	—
Enfamil® Sterile Water	—	—
Enfamil® 2	—	—
Enfamil A+® 2	—	—
Portagen®	—	—
Nutramigen® A+®	—	Casein hydrolyzed with pork pancreatic enzymes
Nutramigen® A+® with LGG®	—	Casein hydrolyzed with pork pancreatic enzymes
Pregestimil® A+®	—	Casein hydrolyzed with pork pancreatic enzymes

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

# 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 1mg NE = 60 mg tryptophan
<b>Vitamin A</b>	1 RAE = 1 µg retinol = 3.33 IU retinol 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) 1 IU synthetic Vitamin E and esters = 0.45 mg α-tocopherol 1 IU natural Vitamin E and esters = 0.67 mg α-tocopherol



# Healthcare Professional Resource Centre

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

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**Your Partner in Pediatric Nutrition**

The Mead Johnson Nutrition Healthcare Professional Resource Centre provides information, support tools, and professional education.



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