



Pediatric Product Guide

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



enfamil.com

Important Contact Information

MJN Representative _____

Phone Number _____

HEALTHCARE PROFESSIONAL CONTACT INFORMATION

1-800-457-3550 or **mg-mjn-inst-orders@mjn.com**

Customer Service – To place an order.

1-812-429-6399 or **mjmedicalaffairs@mjn.com**

Medical Service – Answers to product questions.

MeadJohnson.com/pediatrics

Healthcare Professionals – To get product information and more.

CONSUMER CONTACT INFORMATION

1-800-BABY123

For parents.

Enfamil.com

A friendly source of information for moms.

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.



About
Mead
Johnson
Nutrition

Our Mission: To Nourish the World's Children for the Best Start in Life



Edward Mead Johnson

Mead Johnson, a global leader in infant and children's nutrition, develops, manufactures, markets and distributes more than 70 products in over 50 markets worldwide. The company's mission is to nourish the world's children for the best start in life.

The Mead Johnson name has been associated with science-based infant and children's nutrition products for over 100 years. Our founder, Edward Mead Johnson, worked with his family physician to develop a product for his son facing life-threatening feeding difficulties. Today, his quest for

better nutrition continues to drive our team to deliver products with an uncompromising commitment to quality and safety. The company's Enfa® family of brands, including Enfamil® infant formula, is the world's leading franchise in infant and children's nutrition.

In February 2017, Reckitt Benckiser, a leading global health and hygiene company, agreed to acquire Mead Johnson Nutrition as part of its ambition to become the global leader in consumer healthcare.

Since June 2017, Mead Johnson Nutrition has been operating as the Infant Formula and Child Nutrition division of Reckitt Benckiser. Mead Johnson's science, innovation, product portfolio and mission—to nourish the world's children for the best start in life—are vital, foundational elements of the new company's largest global business unit—RB Health.

Our Mission

To nourish the world's children for the best start in life.

The Mead Johnson Pediatric Nutrition Institute

Mead Johnson believes that good nutrition early in life supports lifelong health; that's why our only purpose at the Mead Johnson Pediatric Nutrition Institute (MJPNI) is to advance and apply science that benefits children. Our vision is to be a trusted partner in this unique and critical space.

We have established a strong and growing global network of scientists and research facilities that allow Mead

Johnson to make important contributions to the body of knowledge within the field of nutrition. Since 2010, we have dedicated four new MJPNI research and development technology centers around the world—in the U.S., Mexico, China and Singapore. Additionally, the MJPNI is a key collaborator on one of the largest global studies ever conducted to evaluate human milk over the first year of lactation—The Global Exploration of Human Milk Study (GEHM). This understanding of human milk composition and functionality is the inspiration for the next generation of pediatric nutrition innovation.



Pediatric Nutrition is Our Sole Focus

GLOBAL NETWORK

MJPNI collaborates with leading academic and clinical institutions to address the nutritional needs of children.

LEADING RESEARCH

MJPNI is committed to researching nutrition for long-term outcomes.

NUTRITION EDUCATION

MJPNI disseminates knowledge that advances the understanding of breakthrough science.



110+ years of leadership in infant and child nutrition.



Trusted by millions of families and healthcare providers to help infants and children grow and thrive.



Dedicated to scientific discovery to advance pediatric nutrition and drive beneficial product innovation.

Our Legacy: A History of Innovation in Nutrition

Dextri-Maltose, the first clinically tested, physician-recommended infant feeding product in the U.S.

1911



Sobee, the first milk-free, lactose-free infant formula that derived its protein from soy flour.

1929



Nutramigen[®], the first protein hydrolysate formula clinically proven for the management of colic due to cow's milk allergy.

1942



Lofenalac, the first commercially available formula for infants with phenylketonuria, an inborn error of metabolism.

1958



ProSobee[®], the first soy protein infant formula—it is also milk-free, lactose-free and sucrose-free.

1965



Pregestimil[®], the first nutritionally complete protein hydrolysate formula containing MCT oil.

1971



LactoFree, the first milk-based, lactose-free formula for infants with feeding problems due to lactose intolerance.

1993



Enfamil A.R.[™] infant formula with added rice starch was introduced in France and Belgium.

1995



Enfamil[®] LIPIL[®] with Iron, the first infant formula in the U.S. to include DHA and ARA.

2002



Enfamil PREMIUM[®] LIPIL[®], the first formulation with levels of choline close to that of breast milk.

2005



Enfamil[®] Enspire[™], with two components previously only in breast milk: MFGM and lactoferrin.

2016



Enfamil NeuroPro[™] has a fat-protein blend of MFGM and DHA previously found only in breast milk^{*}.

2018



1924

The first standardized **cod liver oil**, a supplemental source of vitamins A and D to combat rickets.



1933

Pablum, the first pre-cooked, fortified cereal for babies. It was often the first solid food babies ate.



1949

Vi-Sols, the first vitamins for babies in drop dosage form.



1959

Enfamil[®] infant formula was introduced.

1966

Enfamil[®] Premature formula was launched as a nutritionally complete formula for low-birth-weight infants.



1983

Enfamil[®] Human Milk Fortifier, the first additive designed to increase the nutrient content of breast milk for premature infants.



1994

Enfagrow[®] growing up milk for children one year and older was introduced in Hong Kong.

1996

Advanced Formula Enfamil, the first formula with free nucleotides added to approximate the levels found in breast milk.



2004

Expecta[®] LIPIL[®] DHA supplement for pregnant and nursing moms debuted.

2010

Natural Defense[®] Dual Prebiotics, for gut and immune health in support of outcomes similar to breast milk.



2017

Enfamil PREMIUM[®] formulation with inositol levels similar to levels found in human breast milk.

All product claims pertain to the United States, unless otherwise noted. Images may not necessarily reflect product labels at the time of introduction. All product names in this material indicate trademarks used by Mead Johnson & Company in various countries. Some of these trademarks may be discontinued or may be currently owned by other entities.

* In amounts supported by clinical research.

Our Focus: Sustainability for the Industry and Consumer

Sustainable Sourcing

- All palm oil and cocoa sustainably sourced with full traceability
- Introduced non-GMO products to U.S. market in 2016

Recycling/Reuse

- Return program in retail operations
- All RB sites zero waste to landfill, with goal to include remaining MJN facilities
- How2Recycle label scheme for U.S. market is in progress



Environmental Impact

- Ambitious goals for energy, GHG, water and waste reduction
- Carbon and water footprint being completed for products, including Enfamil®
- Energy—renewables and efficiency (i.e., landfill gas powering major facilities)



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

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Routine Infant Formulas

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



Enfamil PREMIUM® Newborn

DESCRIPTION/INDICATION

Enfamil PREMIUM Newborn is a 20 Cal/fl oz milk-based, iron-fortified routine formula for full-term newborns through 3 months. Enfamil PREMIUM Newborn has DHA in amounts clinically demonstrated to foster cognitive development through 5 years of age^{1*}. Enfamil PREMIUM Newborn is patterned after early breast milk^{2,†} with an 80:20 whey-to-casein ratio and is designed for newborns. Enfamil PREMIUM Newborn meets American Academy of Pediatrics (AAP) recommendations for vitamin D intake by providing 400 IU of vitamin D in just 27 fl oz—the approximate daily intake of a newborn. Enfamil PREMIUM Newborn offers outcomes in 3 key areas: brain development, immune health and growth.

PRODUCT FEATURES

- DHA at the clinically proven[‡] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{3,‡}, and double the amount found in the leading competitor's product[§]:
 - Clinically proven[‡] to support mental, visual and immune system development

- Clinically shown to improve long-term cognitive outcomes through 5 years of age^{1*}
- Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{4*}
- A Natural Defense[®] Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose) at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{5,6}
 - Promote soft stools similar to those reported for breastfed infants⁷
- Proprietary Triple Health Guard[®] blend of brain-nourishing DHA, an exclusive dual prebiotic blend and 30 total nutrients for growth
- Easy-to-digest 80:20 whey-to-casein ratio patterned after early breast milk^{2,†}
- Provides 400 IU of vitamin D in just 27 fl oz
- Inositol at the average amount found in breast milk[‡]
- Non-GMO[¶]
- Kosher

* Studies compared infants fed Enfamil[®] with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Based on whey-to-casein ratio 3-5 days after lactation begins.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women³.

§ Enfamil PREMIUM Newborn has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance[™] is ~0.15% of total fatty acids.

|| The global average total inositol level in mature breast milk over the course of lactation is 22 mg/100 kcal⁸.

¶ Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Protein, g	2.1	1.42	10.7	Biotin, mcg	3	2	15.3				
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61				
Linoleic acid, mg	780	530	4000	Choline, mg	24	16.2	122				
Carbohydrate, g	11.2	7.6	57	Inositol, mg	24	16.2	122				
Water, g	133	90	2	Minerals							
Vitamins/Other Nutrients				Calcium, mg	78	53	400				
Vitamin A, IU	300	200	1530	Phosphorus, mg	43	29	220				
Vitamin D, IU	75	51	380	Magnesium, mg	8	5.4	41				
Vitamin E, IU	2	1.35	10.2	Iron, mg	1.8	1.22	9.2				
Vitamin K, mcg	9	6.1	46	Zinc, mg	1	0.68	5.1				
Thiamin (Vitamin B ₁), mcg	80	54	410	Manganese, mcg	15	10.1	77				
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380				
Vitamin B ₆ , mcg	60	41	310	Iodine, mcg	15	10.1	77				
Vitamin B ₁₂ , mcg	0.3	0.2	1.53	Selenium, mcg	2.8	1.89	14.3				
Niacin, mcg	1000	680	5100	Sodium, mg	27	18.3	138				
Folic acid (Folacin), mcg	16	10.8	82	Potassium, mg	108	73	550				
Pantothenic acid, mcg	500	340	2600	Chloride, mg	63	43	320				

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	8.5		Potential Renal Solute Load (mOsm/100 mL) ⁹
Whey:Casein Ratio	80:20		Osmolality (mOsm/kg water)
Fat (% Calories)	48		Osmolarity (mOsm/L)
Carbohydrate (% Calories)	43.5		Lactose-free
Potential Renal Solute Load (mOsm/100 Calories) ⁹	19.1		No

PRODUCT FORMS

Enfamil PREMIUM® Newborn is available in powder and ready-to-use liquid. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate and less than 2%: galactooligosaccharides[#], polydextrose[#], *Mortierella alpina* oil^{††}, *Cryptocodium cohnii* oil^{††}, calcium carbonate, calcium phosphate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, sodium chloride, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, soy lecithin, vitamin A palmitate, inositol, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides[#], polydextrose[#], *Mortierella alpina* oil^{††}, *Cryptocodium cohnii* oil^{††}, whey protein concentrate, potassium citrate, calcium phosphate, sodium chloride, calcium chloride, magnesium phosphate, calcium carbonate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, potassium iodide, manganese sulfate, sodium selenite, mono- and diglycerides,

ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, vitamin D₃, biotin, vitamin B₁₂, soy lecithin, choline chloride, carrageenan, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

A type of prebiotic.

** A source of arachidonic acid (ARA).

†† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil PREMIUM Newborn contains milk and soy.

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- Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr.* 2016;62:80-86.
- Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007; 44:359-364.
- Data on file.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil NeuroPro™ Infant

DESCRIPTION/INDICATION

Enfamil NeuroPro Infant is a 20 Cal/fl oz milk-based, iron-fortified, routine formula for full-term infants 0–12 months. Enfamil NeuroPro Infant has a fat-protein blend of MFGM and DHA previously found only in breast milk⁷. Emerging evidence from a recent clinical study showed MFGM in formula supports cognitive development similar to breast milk¹. Enfamil NeuroPro Infant is patterned after mature breast milk[‡].

PRODUCT FEATURES

- Infant formula that has MFGM and DHA is clinically shown to be a safe and well-tolerated source of nutrition¹
- DHA at the clinically proven⁸ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{2,11}, and double the amount found in the leading competitor's product¹:
 - Clinically proven⁸ to support mental, visual and immune system development

- Clinically shown to improve long-term cognitive outcomes through 5 years of age^{3,5}
- Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{4,5}
- A Natural Defense[®] Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose) at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{5,6}
 - Promote soft stools similar to those reported for breastfed infants⁷
- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{8,†}
- Inositol at the average amount found in breast milk[‡]
- Non-GMO[™]
- Kosher

* In amounts supported by clinical research.

† As measured by Bayley-III cognitive score at 12 months in a different formula with MFGM added as an ingredient.

‡ Comparison based on whey:casein ratio of typical mature breast milk (15 days to 6 months after birth)⁸.

§ Studies compared infants fed Enfamil[®] that had DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

|| Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

¶ Enfamil NeuroPro Infant has not been shown superior to the leading competitor in supporting mental, visual and immune system development in infants. The level of DHA in Similac Pro-Advance[™] is ~0.15% of total fatty acids.

The global average total inositol amount in mature breast milk over the course of lactation is 22 mg/100 kcal⁹.

** Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.		
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		
Protein, g	2	1.35	10.2	Biotin, mcg	3	2	15.3		
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61		
Linoleic acid, mg	780	530	4000	Choline, mg	24	16.2	122		
Carbohydrate, g	11.3	7.6	58	Inositol, mg	24	16.2	122		
Water, g	133	90	2.4	Minerals					
Vitamins/Other Nutrients				Calcium, mg	78	53	400		
Vitamin A, IU	300	200	1530	Phosphorus, mg	43	29	220		
Vitamin D, IU	60	41	310	Magnesium, mg	8	5.4	41		
Vitamin E, IU	2	1.35	10.2	Iron, mg	1.8	1.22	9.2		
Vitamin K, mcg	9	6.1	46	Zinc, mg	1	0.68	5.1		
Thiamin (Vitamin B ₁), mcg	80	54	410	Manganese, mcg	15	10.1	77		
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380		
Vitamin B ₆ , mcg	60	41	310	Iodine, mcg	15	10.1	77		
Vitamin B ₁₂ , mcg	0.3	0.2	1.53	Selenium, mcg	2.8	1.89	14.3		
Niacin, mcg	1000	680	5100	Sodium, mg	27	18.3	138		
Folic acid (Folacin), mcg	16	10.8	82	Potassium, mg	108	73	550		
Pantothenic acid, mcg	500	340	2600	Chloride, mg	63	43	320		

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	8	Potential Renal Solute Load (mOsm/100 mL) ¹⁰	12.5
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)	300
Fat (% Calories)	48	Osmolarity (mOsm/L)	270
Carbohydrate (% Calories)	44	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	18.6		

PRODUCT FORMS

Entamil NeuroPro™ Infant is available in powder and ready-to-use liquid. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate, whey protein-lipid concentrate (milk)^{††} and less than 2%: galactooligosaccharides^{‡‡}, polydextrose^{‡‡}, *Mortierella alpina* oil^{§§}, *Schizochytrium sp.* oil^{|||}, calcium carbonate, potassium citrate, potassium chloride, ferrous sulfate, calcium phosphate, sodium chloride, magnesium oxide, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, inositol, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (2 & 6 fl oz Nursette® bottles): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: whey protein-lipid concentrate (milk)^{††}, galactooligosaccharides^{‡‡}, polydextrose^{‡‡}, *Mortierella alpina* oil^{§§}, *Schizochytrium sp.* oil^{|||}, whey protein concentrate, potassium citrate,

calcium carbonate, calcium phosphate, magnesium phosphate, calcium chloride, sodium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin D₃, vitamin B₁₂, soy lecithin, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (32 fl oz bottle^{¶¶}): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: whey protein-lipid concentrate (milk)^{††}, galactooligosaccharides^{‡‡}, polydextrose^{‡‡}, *Mortierella alpina* oil^{§§}, *Schizochytrium sp.* oil^{|||}, whey protein concentrate, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, mono- and diglycerides, soy lecithin, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D₃, taurine, L-carnitine.

†† A source of MFGM (milk fat globule membrane).

‡‡ A type of prebiotic.

§§ A source of arachidonic acid (ARA).

||| A source of docosahexaenoic acid (DHA).

¶¶ Nutrient profile subject to change.

POTENTIAL ALLERGENS

Entamil NeuroPro™ Infant contains milk and soy.

References

1. Timby N, Domellöf E, Hernell O, et al. Neurodevelopment, nutrition, and growth until 12 mo of age in infants fed a low-energy, low-protein formula supplemented with bovine milk fat globule membranes: a randomized controlled trial. *Am J Clin Nutr.* 2014;99:860-868.
2. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
3. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
4. Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr.* 2010;156:902-906.
5. Scalabrin D, Mitmesser SH, Welling GW, et al. New prebiotic blend of polydextrose and galacto-oligosaccharides has a bifidogenic effect in young infants. *J Pediatr Gastroenterol Nutr.* 2012;54:343-352.
6. Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr.* 2016;62:80-86.
7. Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007;44:359-364.
8. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr.* 1992;81:107-112.
9. Data on file.
10. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil PREMIUM® Infant

DESCRIPTION/INDICATION

Enfamil PREMIUM Infant is a 20 Cal/fl oz milk-based, iron-fortified, routine formula for full-term infants 0–12 months. Enfamil PREMIUM Infant is clinically demonstrated to foster cognitive development through 5 years of age¹. Enfamil PREMIUM Infant is patterned after mature breast milk⁷ and offers proven clinical outcomes in 3 key areas: brain development, immune health and growth.

PRODUCT FEATURES

- DHA at the clinically proven[†] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{2,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically proven[†] to support mental, visual and immune system development
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{1,†}
 - Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{3,†}

- A Natural Defense[®] Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose) at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{4,5}
 - Promote soft stools similar to those reported for breastfed infants⁶
- Proprietary Triple Health Guard[®] blend of brain-nourishing DHA, an exclusive dual prebiotic blend and 30 total nutrients for growth
- Clinically proven growth similar to breastfed infants through 12 months^{7,†}
- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{8,*}
- Inositol at the average amount found in breast milk^{||}
- Non-GMO[¶]
- Kosher

* Comparison based on whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth).

† Studies compared infants fed Enfamil[®] with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

§ Enfamil PREMIUM Infant has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance[™] is ~0.15% of total fatty acids.

|| The global average total inositol level in mature breast milk over the course of lactation is 22 mg/100 kcal⁹.

¶ Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Protein, g	2	1.35	10.1	Biotin, mcg	3	2	15.1				
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61				
Linoleic acid, mg	780	530	3900	Choline, mg	24	16.2	121				
Carbohydrate, g	11.3	7.6	57	Inositol, mg	24	16.2	121				
Water, g	133	90	2.3	Minerals							
Vitamins/Other Nutrients				Calcium, mg	78	53	390				
Vitamin A, IU	300	200	1510	Phosphorus, mg	43	29	220				
Vitamin D, IU	60	41	300	Magnesium, mg	8	5.4	40				
Vitamin E, IU	2	1.35	10.1	Iron, mg	1.8	1.22	9.1				
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5				
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	15	10.1	76				
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380				
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	76				
Vitamin B ₁₂ , mcg	0.3	0.2	1.51	Selenium, mcg	2.8	1.89	14.1				
Niacin, mcg	1000	680	5000	Sodium, mg	27	18.3	136				
Folic acid (Folacin), mcg	16	10.8	81	Potassium, mg	108	73	550				
Pantothenic acid, mcg	500	340	2500	Chloride, mg	63	43	320				

NUTRIENT FACTS		
Nutrient Density	20 Calories/fl oz	20 Calories/fl oz
Protein (% Calories)	8	Potential Renal Solute Load (mOsm/100 mL) ¹⁰
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)
Fat (% Calories)	48	Osmolarity (mOsm/L)
Carbohydrate (% Calories)	44	Lactose-free
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	18.6	No

PRODUCT FORMS

Entamil PREMIUM® Infant is available in powder and ready-to-use liquid. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate and less than 2%: galactooligosaccharides[#], polydextrose[#], *Mortierella alpina* oil^{††}, *Cryptocodium cohnii* oil^{††}, calcium carbonate, potassium citrate, potassium chloride, ferrous sulfate, calcium phosphate, sodium chloride, magnesium oxide, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, inositol, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (2 & 6 fl oz Nursette® bottles, 8 fl oz bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides[#], polydextrose[#], *Mortierella alpina* oil^{††}, *Cryptocodium cohnii* oil^{††}, whey protein concentrate, potassium citrate, calcium carbonate, calcium phosphate, magnesium phosphate, calcium chloride, sodium chloride, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese

sulfate, potassium iodide, sodium selenite, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin D₃, vitamin B₁₂, soy lecithin, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (32 fl oz bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides[#], polydextrose[#], *Mortierella alpina* oil^{††}, *Cryptocodium cohnii* oil^{††}, whey protein concentrate, potassium citrate, calcium carbonate, calcium chloride, magnesium phosphate, sodium chloride, calcium phosphate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, mono- and diglycerides, soy lecithin, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D₃, taurine, L-carnitine.

A type of prebiotic.

** A source of arachidonic acid (ARA).

†† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Entamil PREMIUM Infant contains milk and soy.

References

- Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
- Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
- Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr.* 2010;156:902-906.
- Scalabrini D, Mitmesser SH, Welling GW, et al. New prebiotic blend of polydextrose and galacto-oligosaccharides has a bifidogenic effect in young infants. *J Pediatr Gastroenterol Nutr.* 2012;54:343-352.
- Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr.* 2016;62:80-86.
- Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007;44:359-364.
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- Data on file.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Infant

DESCRIPTION/INDICATION

Enfamil Infant is a 20 Cal/fl oz milk-based, iron-fortified, routine formula for full-term infants 0–12 months. Enfamil Infant is clinically demonstrated to foster cognitive development through 5 years of age¹. Enfamil Infant is patterned after mature breast milk¹ and offers proven clinical outcomes in 3 key areas: brain development, immune health and growth.

PRODUCT FEATURES

- DHA at the clinically proven[†] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{2,‡}, and double the amount found in the leading competitor's product[§]:
 - Clinically proven[†] to support mental and visual development
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{1,†}
 - Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{3,†}

- A Natural Defense[®] Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose), at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{4,5}
 - Promote soft stools similar to those reported for breastfed infants⁶
- Clinically proven growth similar to breastfed infants through 12 months^{7,†}
- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{8,†}
- Kosher

* Comparison based on whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth).

† Studies compared infants fed Enfamil with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

§ Enfamil Infant has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Protein, g	2	1.35	10.1	Biotin, mcg	3	2	15.2				
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61				
Linoleic acid, mg	800	540	4000	Choline, mg	24	16.2	121				
Carbohydrate, g	11.3	7.6	57	Inositol, mg	6	4.1	30				
Water, g	133	90	2.3	Minerals							
Vitamins/Other Nutrients				Calcium, mg	78	53	390				
Vitamin A, IU	300	200	1520	Phosphorus, mg	43	29	220				
Vitamin D, IU	60	41	300	Magnesium, mg	8	5.4	40				
Vitamin E, IU	2	1.35	10.1	Iron, mg	1.8	1.22	9.1				
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5.1				
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	15	10.1	76				
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380				
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	76				
Vitamin B ₁₂ , mcg	0.3	0.2	1.52	Selenium, mcg	2.8	1.89	14.1				
Niacin, mcg	1000	680	5100	Sodium, mg	27	18.3	136				
Folic acid (Folacin), mcg	16	10.8	81	Potassium, mg	108	73	550				
Pantothenic acid, mcg	500	340	2500	Chloride, mg	63	43	320				

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	8	Potential Renal Solute Load (mOsm/100 mL) ⁹	12.5
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)	300
Fat (% Calories)	48	Osmolarity (mOsm/L)	270
Carbohydrate (% Calories)	44	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁹	18.6		

PRODUCT FORMS

Enfamil® Infant is available in powder and concentrate. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Powder: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein concentrate and less than 2%: galactooligosaccharides^{||}, polydextrose^{||}, *Mortierella alpina* oil^{||}, *Cryptocodium cohnii* oil[#], calcium carbonate, potassium citrate, ferrous sulfate, potassium chloride, magnesium oxide, sodium chloride, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, inositol, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Concentrate: Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides^{||}, polydextrose^{||}, *Mortierella alpina* oil^{||}, *Cryptocodium cohnii* oil[#], whey protein concentrate, potassium citrate, calcium carbonate, calcium phosphate, magnesium phosphate, calcium chloride, sodium chloride, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride,

riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin D₃, vitamin B₁₂, choline chloride, carrageenan, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

|| A type of prebiotic.

¶|| A source of arachidonic acid (ARA).

A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Infant contains milk and soy.

References

- Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
- Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
- Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr.* 2010;156:902-906.
- Scalabrin D, Mitmesser SH, Welling GW, et al. New prebiotic blend of polydextrose and galacto-oligosaccharides has a bifidogenic effect in young infants. *J Pediatr Gastroenterol Nutr.* 2012;54:343-352.
- Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr.* 2016;62:80-86.
- Ziegler E, Vanderhoof JA, Petschow B, et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr.* 2007;44:359-364.
- Ferguson PW, Mitmesser SH, Maharaj N, et al. How is baby doing? Growth of US and Canadian infants using the Centers for Disease Control and Prevention and World Health Organization charts. *Nutr Today.* 2007;42:151-159.
- Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr.* 1992;81:107-112.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Enspire™

DESCRIPTION/INDICATION

Enfamil Enspire is a 20 Cal/fl oz milk-based, iron-fortified, routine formula for full-term infants 0–12 months. Enfamil Enspire has two components previously only largely available in breast milk: MFGM to foster cognitive development and lactoferrin to support immune health.

PRODUCT FEATURES

- Milk fat globule membrane (MFGM) provides the brain-building advantages of breast milk and is shown to improve cognitive outcomes at 12 months¹
- Lactoferrin supports immune health and brings Enfamil® composition closer to human milk than ever before²
- DHA at the clinically proven³ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{3,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically proven³ to support mental, visual and immune system development

- Clinically shown to improve long-term cognitive outcomes through 5 years of age^{4*}
- Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{5*}
- A Natural Defense® Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose) at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{6,7}
 - Promote soft stools similar to those reported for breastfed infants⁸
- Proprietary Triple Health Guard® blend of brain-nourishing DHA, an exclusive dual prebiotic blend and 30 total nutrients for growth
- Supports excellent growth
- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{9,§}
- Non-GMO[¶]
- Kosher

* Studies compared infants fed Enfamil with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women³.

‡ Enfamil Enspire has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

§ Comparison based on whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth).

¶ Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.		
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		
Protein, g	2.1	1.42	10.5	Biotin, mcg	3	2	15		
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	60		
Linoleic acid, mg	800	540	4000	Choline, mg	24	16.2	120		
Carbohydrate, g	11.2	7.6	56	Inositol, mg	6	4.1	30		
Water, g	133	90	2.8	Minerals					
Vitamins/Other Nutrients				Calcium, mg	78	53	390		
Vitamin A, IU	300	200	1500	Phosphorus, mg	43	29	220		
Vitamin D, IU	60	41	300	Magnesium, mg	8	5.4	40		
Vitamin E, IU	2	1.35	10	Iron, mg	1.8	1.22	9		
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5		
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	15	10.1	75		
Riboflavin (Vitamin B ₂), mcg	140	95	700	Copper, mcg	75	51	380		
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	75		
Vitamin B ₁₂ , mcg	0.3	0.2	1.5	Selenium, mcg	2.8	1.89	14		
Niacin, mcg	1000	680	5000	Sodium, mg	27	18.3	135		
Folic acid (Folacin), mcg	16	10.8	80	Potassium, mg	108	73	540		
Pantothenic acid, mcg	500	340	2500	Chloride, mg	63	43	320		

NUTRIENT FACTS		
Nutrient Density	20 Calories/fl oz	20 Calories/fl oz
Protein (% Calories)	8.5	Potential Renal Solute Load (mOsm/100 mL) ¹⁰
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)
Fat (% Calories)	48	Osmolarity (mOsm/L)
Carbohydrate (% Calories)	43.5	Lactose-free
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	19.1	No

PRODUCT FORMS

Enfamil® Enspire™ is available in powder. For ordering information, please refer to page 253.

COMPOSITION

Ingredients: Nonfat milk, lactose, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), whey protein-lipid concentrate[¶] (milk), whey protein concentrate and less than 2%: lactoferrin, galactooligosaccharides[#], polydextrose[¶], *Mortierella alpina* oil^{**}, *Cryptocodinium cohnii* oil^{††}, potassium citrate, calcium carbonate, calcium phosphate, sodium chloride, potassium chloride, ferrous sulfate, magnesium oxide, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, vitamin E acetate, vitamin A palmitate, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

¶ A source of MFGM (milk fat globule membrane).

A type of prebiotic.

** A source of arachidonic acid (ARA).

†† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Enspire contains milk and soy.

References

1. Timby N, Domellöf E, Hernell O, et al. Neurodevelopment, nutrition, and growth until 12 mo of age in infants fed a low-energy, low-protein formula supplemented with bovine milk fat globule membranes: a randomized controlled trial. *Am J Clin Nutr* 2014;99:860-868.
2. King JC Jr, Cummings GE, Guo N, et al. A double-blind, placebo-controlled, pilot study of bovine lactoferrin supplementation in bottle-fed infants. *J Pediatr Gastroenterol Nutr*. 2007;44:245-251
3. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
4. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr*. 2013;98:403-412.
5. Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr*. 2010;156:902-906.
6. Scalabrin D, Mitmesser SH, Welling GW, et al. New prebiotic blend of polydextrose and galacto-oligosaccharides has a bifidogenic effect in young infants. *J Pediatr Gastroenterol Nutr*. 2012;54:343-352.
7. Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr*. 2016;62:80-86.
8. Ziegler E, Vanderhoof JA, Petschow B et al. Term infants fed formula supplemented with selected blends of prebiotics grow normally and have soft stools similar to those reported for breast-fed infants. *J Pediatr Gastroenterol Nutr*. 2007;44:359-364.
9. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr*. 1992;81:107-112.
10. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Feeding Solution Formulas



Enfamil NeuroPro™ Gentlease®

DESCRIPTION/INDICATION

Enfamil NeuroPro Gentlease is a 20 Cal/fl oz, milk-based infant formula designed to reduce fussiness, gas and crying¹. It has an easy-to-digest gentle protein blend of MFGM and partially hydrolyzed protein. Enfamil NeuroPro Gentlease has a fat-protein blend of MFGM and DHA previously found only in breast milk¹. Emerging evidence from a recent clinical study showed MFGM in formula supports cognitive development similar to breast milk¹.

Long-Term Usage: Enfamil NeuroPro Gentlease is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- Designed to have an easy-to-digest gentle protein blend of MFGM and partially hydrolyzed protein
- Made with ingredients clinically shown to reduce fussiness, gas and crying in 24 hours¹
- Infant formula that has MFGM and DHA is clinically shown to be a safe and well-tolerated source of nutrition²

- DHA at the clinically proven[†] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{§,¶}, and double the amount found in the leading competitor's product[¶]:
 - Clinically proven[†] to support mental, visual and immune system development
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{4,†}
 - Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{5,†}

- Inositol at the average amount found in breast milk[¶]
- Non-GMO[#]
- Kosher

* In amounts supported by clinical research.

† As measured by Bayley-III cognitive score at 12 months in a different formula with MFGM added as an ingredient.

‡ Studies compared infants fed Enfamil[®] that had DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

§ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁷.

¶ Enfamil NeuroPro Gentlease has not been shown superior to the leading competitor in supporting mental, visual and immune system development in infants. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

¶ The global average total inositol level in mature breast milk over the course of lactation is 22 mg/100 kcal[¶].

Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

PRODUCT FORMS

Enfamil NeuroPro Gentlease is available in powder. For ordering information, please refer to page 254.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Protein, g	2.3	1.56	11.7	Biotin, mcg	3	2	15.3				
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61				
Linoleic acid, mg	780	530	4000	Choline, mg	24	16.2	122				
Carbohydrate, g	10.8	7.3	55	Inositol, mg	24	16.2	122				
Water, g	133	90	2.4	Minerals							
Vitamins/Other Nutrients				Calcium, mg	82	55	420				
Vitamin A, IU	300	200	1530	Phosphorus, mg	46	31	230				
Vitamin D, IU	60	41	310	Magnesium, mg	8	5.4	41				
Vitamin E, IU	2	1.35	10.2	Iron, mg	1.8	1.22	9.2				
Vitamin K, mcg	9	6.1	46	Zinc, mg	1	0.68	5.1				
Thiamin (Vitamin B ₁), mcg	80	54	410	Manganese, mcg	15	10.1	77				
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380				
Vitamin B ₆ , mcg	60	41	310	Iodine, mcg	15	10.1	77				
Vitamin B ₁₂ , mcg	0.3	0.2	1.53	Selenium, mcg	2.8	1.89	14.3				
Niacin, mcg	1000	680	5100	Sodium, mg	36	24	184				
Folic acid (Folacin), mcg	16	10.8	82	Potassium, mg	108	73	550				
Pantothenic acid, mcg	500	340	2600	Chloride, mg	63	43	320				

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	9	Potential Renal Solute Load (mOsm/100 mL) ⁷	14
Fat (% Calories)	48	Osmolality (mOsm/kg water)	230
Carbohydrate (% Calories)	43	Osmolarity (mOsm/L)	210
Potential Renal Solute Load (mOsm/100 Calories) ⁷	21	Lactose-free	No

COMPOSITION

Ingredients: Powder: Corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), whey protein-lipid concentrate (milk)** and less than 2%: *Mortierella alpina* oil††, *Schizochytrium sp.* oil‡‡, calcium carbonate, sodium citrate, calcium phosphate, potassium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

** A source of MFGM (milk fat globule membrane).

†† A source of arachidonic acid (ARA).

‡‡ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil NeuroPro™ Gentlease® contains milk and soy.

References

1. Berseth CL, Johnston WH, Stolz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)*. 2009;48:58-65.
2. Timby N, Domellöf E, Hernell O, et al. Neurodevelopment, nutrition, and growth until 12 mo of age in infants fed a low-energy, low-protein formula supplemented with bovine milk fat globule membranes: a randomized controlled trial. *Am J Clin Nutr*. 2014;99:860-868.
3. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
4. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr*. 2013;98:403-412.
5. Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr*. 2010;156:902-906.
6. Data on file.
7. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Enfamil PREMIUM® Gentlease®

DESCRIPTION/INDICATION

Enfamil PREMIUM Gentlease is a 20 Cal/fl oz, milk-based infant formula designed to reduce fussiness, gas and crying¹. It has an easy-to-digest milk protein blend patterned after breast milk (whey and casein in a 60:40 ratio)² that has been partially broken down. The formula is nutritionally balanced and has docosahexaenoic acid (DHA) and arachidonic acid (ARA), nutrients also found in breast milk that promote brain and eye development.

Long-Term Usage: Enfamil PREMIUM Gentlease is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- DHA at the clinically proven¹ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{2,†}, and double the amount found in the leading competitor's product[§]:
 - Clinically proven¹ to support mental, visual and immune system development

- Clinically shown to improve long-term cognitive outcomes through 5 years of age³
- Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{4,†}
- Proprietary patented Triple Health Guard[®] blend of brain-nourishing DHA, 30 nutrients for growth, and vitamins and minerals for immune health
- Inositol at the average amount found in breast milk[¶]
- Designed to reduce fussiness, gas and crying in 24 hours¹
- A special blend of easy-to-digest proteins, patterned after the blend of proteins found in breast milk², that have been partially broken down
- Has ~20% of lactose[¶] as a source of carbohydrates; infants with transient lactase deficiency generally can tolerate formulas with some lactose
- No artificial flavors, sweeteners or colors
- Non-GMO[‡]
- Kosher

* Comparison to whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth) prior to hydrolysis.

† Studies compared infants fed Enfamil[®] with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

§ Enfamil PREMIUM Gentlease has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance[™] is ~0.15% of total fatty acids.

¶ The global average total amount of inositol in mature breast milk over the course of lactation is 22 mg/100 kcal[¶].

¶ Of a routine formula.

Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO. Enfamil PREMIUM Gentlease ready-to-use formulation is not currently available in non-GMO.

NUTRIENTS

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

(Normal Dilution)	Per 100 Calories (5 fl oz)		Per 100 mL		Per 100 grams
	Powder	RTU	Powder	RTU	Powder (510 Cal)
Protein, g	2.3	2.3	1.56	1.56	11.7
Fat, g	5.3	5.3	3.6	3.6	27
Linoleic acid, mg	780	780	530	530	4000
Carbohydrate, g	10.8	10.8	7.3	7.3	55
Water, g	133	133	90	90	1.23
Vitamins/Other Nutrients					
Vitamin A, IU	300	300	200	200	1530
Vitamin D, IU	60	60	41	41	310
Vitamin E, IU	2	2	1.35	1.35	10.2
Vitamin K, mcg	9	9	6.1	6.1	46
Thiamin (Vitamin B ₁), mcg	80	80	54	54	410
Riboflavin (Vitamin B ₂), mcg	140	140	95	95	710
Vitamin B ₆ , mcg	60	60	41	41	310
Vitamin B ₁₂ , mcg	0.3	0.3	0.2	0.2	1.53
Niacin, mcg	1000	1000	680	680	5100
Folic acid (Folacin), mcg	16	16	10.8	10.8	82
Pantothenic acid, mcg	500	500	340	340	2600
Biotin, mcg	3	3	2	2	15.3
Vitamin C (Ascorbic acid), mg	12	12	8.1	8.1	61
Choline, mg	24	24	16.2	16.2	122
Inositol, mg	24	24	16.2	16.2	122
Minerals					
Calcium, mg	82	82	55	55	420
Phosphorus, mg	46	46	31	31	230
Magnesium, mg	8	8	5.4	5.4	41
Iron, mg	1.8	1.8	1.22	1.22	9.2
Zinc, mg	1	1	0.68	0.68	5.1
Manganese, mcg	15	15	10.1	10.1	77
Copper, mcg	75	75	51	51	380
Iodine, mcg	15	15	10.1	10.1	77
Selenium, mcg	2.8	2.8	1.89	1.89	14.3
Sodium, mg	36	40	24	27	184
Potassium, mg	108	108	73	73	550
Chloride, mg	63	63	43	43	320

NUTRIENT FACTS				
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz	
			Powder	RTU
Protein (% Calories)	9	Potential Renal Solute Load (mOsm/100 mL) ⁶	14	14.2
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)	230	200
Fat (% Calories)	48	Osmolarity (mOsm/L)	210	180
Carbohydrate (% Calories)	43	Lactose-free	No	No
Potential Renal Solute Load (mOsm/100 Calories) ⁶	21			

PRODUCT FORMS

Enfamil PREMIUM® Gentlease is available in powder and ready-to-use liquid. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Powder: Corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), partially hydrolyzed nonfat milk and whey protein concentrate solids (soy) and less than 2%: *Mortierella alpina* oil, *Cryptocodinium cohnii* oil^{††}, calcium carbonate, sodium citrate, calcium phosphate, potassium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

Ingredients: Ready To Use (32 fl oz bottle): Water, corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), rice starch and less than 1%: *Mortierella alpina* oil^{††}, *Cryptocodinium cohnii* oil^{††}, diacetyl tartaric esters of mono- and diglycerides (DATEM), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, sodium chloride, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, vitamin B₁₂, vitamin D₃, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, choline chloride, inositol, taurine, L-carnitine.

** A source of arachidonic acid (ARA)

†† A source of docosahexaenoic acid (DHA)

POTENTIAL ALLERGENS

Enfamil PREMIUM Gentlease contains milk and soy.

References

1. Berseth CL, Johnston WH, Stolz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)*. 2009;48:58-65.
2. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
3. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr*. 2013;98:403-412.
4. Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr*. 2010;156:902-906.
5. Data on file.
6. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Enfamil® Gentlease®

DESCRIPTION/INDICATION

Enfamil Gentlease is a 20 Cal/fl oz, milk-based infant formula designed to reduce fussiness, gas and crying¹. It has an easy-to-digest milk protein blend patterned after breast milk (whey and casein in a 60:40 ratio)⁶ that has been partially broken down. The formula is nutritionally balanced and has docosahexaenoic acid (DHA) and arachidonic acid (ARA), nutrients also found in breast milk that promote brain and eye development.

Long-Term Usage: Enfamil Gentlease is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- DHA at the clinically proven¹ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{2,†}, and double the amount found in the leading competitor's product⁵:
 - Clinically proven¹ to support mental, visual and immune system development

- Clinically shown to improve long-term cognitive outcomes through 5 years of age³
- Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{4,†}
- Designed to reduce fussiness, gas and crying in 24 hours¹
- A special blend of easy-to-digest proteins, patterned after the blend of proteins found in breast milk⁶, that have been partially broken down
- Has ~20% of lactose¹ as a source of carbohydrates; infants with transient lactase deficiency generally can tolerate formulas with some lactose
- No artificial flavors, sweeteners or colors
- Kosher

* Comparison to whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth) prior to hydrolysis.

† Studies compared infants fed Enfamil® with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women².

§ Enfamil Gentlease has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

|| Of a routine formula.

NUTRIENTS									
Product nutrient values and ingredients are subject to change. Please see product label for current information.									
(Normal Dilution)	Per 100 Calories (5 fl oz)				Per 100 mL				Per 100 grams
	Powder	2 fl oz	6 fl oz	8 fl oz	Powder	2 fl oz	6 fl oz	8 fl oz	Powder (510 Cal)
Protein, g	2.3	2.3	2.3	2.3	1.56	1.55	1.55	1.56	11.7
Fat, g	5.3	5.3	5.3	5.3	3.6	3.6	3.6	3.6	27
Linoleic acid, mg	800	860	800	860	540	580	540	580	4100
Carbohydrate, g	10.8	10.8	10.8	10.8	7.3	7.3	7.3	7.3	55
Water, g	133	133	133	133	90	90	90	90	2.4
Vitamins/Other Nutrients									
Vitamin A, IU	300	300	300	300	200	200	200	200	1530
Vitamin D, IU	60	60	60	60	41	41	41	41	310
Vitamin E, IU	2	2	2	2	1.35	1.35	1.35	1.35	10.2
Vitamin K, mcg	9	9	9	9	6.1	6.1	6.1	6.1	46
Thiamin (Vitamin B ₁), mcg	80	80	80	80	54	54	54	54	410
Riboflavin (Vitamin B ₂), mcg	140	140	140	140	95	95	95	95	710
Vitamin B ₆ , mcg	60	60	60	60	41	41	41	41	310
Vitamin B ₁₂ , mcg	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	1.53
Niacin, mcg	1000	1000	1000	1000	680	680	680	680	5100
Folic acid (Folacin), mcg	16	16	16	16	10.8	10.8	10.8	10.8	82
Pantothenic acid, mcg	500	500	500	500	340	340	340	340	2600
Biotin, mcg	3	3	3	3	2	2	2	2	15.3
Vitamin C (Ascorbic acid), mg	12	12	12	12	8.1	8.1	8.1	8.1	61
Choline, mg	24	24	24	24	16.2	16.2	16.2	16.2	122
Inositol, mg	6	6	6	6	4.1	4.1	4.1	4.1	31
Minerals									
Calcium, mg	82	82	82	82	55	55	55	55	420
Phosphorus, mg	46	46	46	46	31	31	31	31	230
Magnesium, mg	8	8	8	8	5.4	5.4	5.4	5.4	41
Iron, mg	1.8	1.8	1.8	1.8	1.22	1.22	1.22	1.22	9.2
Zinc, mg	1	1	1	1	0.68	0.68	0.68	0.68	5.1
Manganese, mcg	15	15	15	15	10.1	10.1	10.1	10.1	77
Copper, mcg	75	75	75	75	51	51	51	51	380
Iodine, mcg	15	15	15	15	10.1	10.1	10.1	10.1	77
Selenium, mcg	2.8	2.8	2.8	2.8	1.89	1.89	1.89	1.89	14.3
Sodium, mg	36	36	36	36	24	24	24	24	184
Potassium, mg	108	108	108	108	73	73	73	73	550
Chloride, mg	63	63	63	63	43	43	43	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz	20 Calories/fl oz
Protein (% Calories)	9	Potential Renal Solute Load (mOsm/100 mL) ⁵ 14
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water) 230 (PwD); 220 (RTU)
Fat (% Calories)	48	Osmolality (mOsm/L) 210 (PwD); 200 (RTU)
Carbohydrate (% Calories)	43	Lactose-free No
Potential Renal Solute Load (mOsm/100 Calories) ⁵	21	

PRODUCT FORMS

Enfamil® Gentlease® is available in powder and ready-to-use liquid. For ordering information, please refer to page 253.

COMPOSITION

Ingredients: Powder: Corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[#], vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium selenite, sodium citrate, potassium chloride, potassium iodide, taurine, L-carnitine.

Ingredients: Ready To Use (2 & 6 fl oz Nursette® bottles, 8 fl oz bottle):

Water, corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), rice starch and less than 1%: *Mortierella alpina* oil[¶], *Cryptocodinium cohnii* oil[#], vitamin B₁₂, vitamin D₃, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, choline chloride, inositol, folic acid, vitamin K₁, biotin, diacetyl tartaric esters of mono- and diglycerides (DATEM), calcium carbonate, calcium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, taurine, L-carnitine.

[¶] A source of arachidonic acid (ARA).

[#] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Gentlease contains milk and soy.

References

- Berseth CL, Johnston WH, Stolz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila)*. 2009;48:58-65.
- Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
- Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr*. 2013;98:403-412.
- Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr*. 2010;156:902-906.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Enfamil® ProSobee®

DESCRIPTION/INDICATION

Enfamil ProSobee is a 20 Cal/fl oz soy-based formula for the routine feeding of infants with feeding issues resulting from sensitivity to milk-based formula. Enfamil ProSobee is for babies with sensitive tummies when a soy formula is preferred. Enfamil ProSobee is lactose-free.

Long-Term Usage: Enfamil ProSobee is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition through 12 months of age when indicated.

PRODUCT FEATURES

- DHA at the clinically proven[†] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{1,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age² vs. prior Enfamil® without DHA
- Clinically proven to reduce fussiness and gas in 24 hours^{3,§}

- Plant-sourced protein
- Milk-free and suitable for infants with lactose intolerance
- Dairy-free for when parents want to avoid cow's milk in their baby's diet
- No artificial flavors, sweeteners or colors
- Lactose-free
- Kosher (Pareve ingredients; manufactured on dairy equipment)

* Studies compared infants fed Enfamil with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women¹.

‡ Enfamil ProSobee has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

§ vs. the same infants at the beginning of the study.

PRODUCT FORMS

Enfamil ProSobee is available in powder, ready-to-use liquid and concentrate. For ordering information, please refer to page 255.

NUTRIENTS (Normal Dilution)	Product nutrient values and ingredients are subject to change. Please see product label for current information.									
	Per 100 Calories (5 fl oz)				Per 100 mL				Per 100 grams	
	Powder	2 fl oz RTU	8 fl oz RTU	13 fl oz Conc.	Powder	2 fl oz RTU	8 fl oz RTU	13 fl oz Conc.	Powder (510 Cal)	
Protein, g	2.5	2.5	2.5	2.5	1.69	1.69	1.69	1.69	12.7	
Fat, g	5.3	5.3	5.3	5.3	3.6	3.6	3.6	3.6	27	
Linoleic acid, mg	800	860	860	860	540	580	580	580	4100	
Carbohydrate, g	10.6	10.6	10.6	10.6	7.2	7.2	7.2	7.2	54	
Water, g	133	133	134	134	90	90	91	91	2.6	
Vitamins/Other Nutrients										
Vitamin A, IU	300	300	300	300	200	200	200	200	1530	
Vitamin D, IU	60	60	60	60	41	41	41	41	310	
Vitamin E, IU	2	2	2	2	1.35	1.35	1.35	1.35	10.2	
Vitamin K, mcg	9	9	9	9	6.1	6.1	6.1	6.1	46	
Thiamin (Vitamin B ₁), mcg	80	80	80	80	54	54	54	54	410	
Riboflavin (Vitamin B ₂), mcg	90	90	90	90	61	61	61	61	460	
Vitamin B ₆ , mcg	60	60	60	60	41	41	41	41	310	
Vitamin B ₁₂ , mcg	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	1.53	
Niacin, mcg	1000	1000	1000	1000	680	680	680	680	5100	
Folic acid (Folacin), mcg	16	16	16	16	10.8	10.8	10.8	10.8	81	
Pantothenic acid, mcg	500	500	500	500	340	340	340	340	2500	
Biotin, mcg	3	3	3	3	2	2	2	2	15.3	
Vitamin C (Ascorbic acid), mg	12	12	12	12	8.1	8.1	8.1	8.1	61	
Choline, mg	24	24	24	24	16.2	16.2	16.2	16.2	122	
Inositol, mg	6	6	6	6	4.1	4.1	4.1	4.1	31	
Minerals										
Calcium, mg	105	105	105	105	71	71	71	71	530	
Phosphorus, mg	69	69	69	69	47	47	47	47	350	
Magnesium, mg	8	8	8	8	5.4	5.4	5.4	5.4	41	
Iron, mg	1.8	1.8	1.8	1.8	1.22	1.22	1.22	1.22	9.2	
Zinc, mg	1.2	1.2	1.2	1.2	0.81	0.81	0.81	0.81	6.1	
Manganese, mcg	25	25	25	25	16.9	16.9	16.9	16.9	127	
Copper, mcg	75	75	75	75	51	51	51	51	380	
Iodine, mcg	15	15	15	15	10.1	10.1	10.1	10.1	76	
Selenium, mcg	2.8	2.8	2.8	2.8	1.89	1.89	1.89	1.89	14.2	
Sodium, mg	36	36	36	36	24	24	24	24	183	
Potassium, mg	120	120	120	120	81	81	81	81	610	
Chloride, mg	80	80	80	80	54	54	54	54	410	

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz	20 Calories/fl oz	
Protein (% Calories)	10	Potential Renal Solute Load (mOsm/100 mL) ⁴	15.6
Fat (% Calories)	48	Osmolality (mOsm/kg water)	200 (2 fl oz) 178 (Pw) 170 (8 fl oz RTU, 13 fl oz Conc)
Carbohydrate (% Calories)	42	Osmolality (mOsm/L)	180 (2 fl oz) 160 (Pw) 155 (8 fl oz RTU, 13 fl oz Conc)
Potential Renal Solute Load (mOsm/100 Calories) ⁴	23	Lactose-free	Yes

COMPOSITION

Ingredients: Powder: Corn syrup solids (54%), vegetable oil (26%) (palm olein, coconut, soy and high oleic sunflower oils), soy protein isolate (14%) and less than 2%: calcium phosphate, potassium chloride, sodium citrate, calcium carbonate, magnesium chloride, magnesium phosphate, potassium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], L-methionine, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate.

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water (87%), corn syrup solids (7%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), soy protein isolate (2%) and less than 1%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶] calcium phosphate, potassium citrate, calcium carbonate, sodium chloride, magnesium chloride, magnesium phosphate, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, soy lecithin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, vitamin D₃, thiamin hydrochloride, riboflavin, vitamin

B₆ hydrochloride, folic acid, vitamin K₁, biotin, mono- and diglycerides, L-methionine, choline chloride, carrageenan, inositol, taurine, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle): Water (87%), corn syrup solids (7%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), soy protein isolate (2%) and less than 1%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], calcium phosphate, potassium citrate, sodium chloride, calcium carbonate, potassium chloride, magnesium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, soy lecithin, mono- and diglycerides, L-methionine, carrageenan, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, inositol, vitamin B₁₂, vitamin D₃, taurine, L-carnitine.

Ingredients: Concentrate (13 fl oz can): Water (75%), corn syrup solids (14%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (6%), soy protein isolate (4%) and less than 1%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium

chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium chloride, potassium citrate, potassium chloride, L-methionine, taurine, L-carnitine.

^{||} A source of arachidonic acid (ARA).

[¶] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® ProSobee® contains soy.

References

1. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
2. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
3. Berseth CL, Johnston WH, Stolz SI, et al. Clinical response to 2 commonly used switch formulas occurs within 1 day. *Clin Pediatr (Phila).* 2009;48:58-65.
4. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfamil® Reguline®

DESCRIPTION/INDICATION

Enfamil Reguline is a 20 Cal/fl oz infant formula specifically designed to help support digestive health and promote soft, comfortable stools. Prebiotic blend works in 1 week¹. It is designed to be fed when stooling issues, such as occasional difficult bowel movements, are causes of parental concern. Enfamil Reguline has the Enfamil® Natural Defense® Dual Prebiotic blend that works like fiber to promote soft stools within 1 week and for as long as the baby consumes the formula. Enfamil Reguline has easy-to-digest proteins that are partially hydrolyzed.

Enfamil Reguline can be used as an everyday formula throughout an infant's first year of life.

Long-Term Usage: Enfamil Reguline is designed to provide the sole source of nutrition for infants up to age 6 months and provide a major source of nutrition for the remainder of the first year.

PRODUCT FEATURES

- Proprietary Triple Health Guard® blend of brain-nourishing DHA, Natural Defense Dual Prebiotic blend designed to support immune health and 30 nutrients for growth
- DHA at the clinically proven[†] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{1,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{2,†}
- A Natural Defense Dual Prebiotic blend to help support digestive health and designed to promote beneficial bacteria in the digestive tract and soften stools within 1 week of use^{3-5,*}
- Easy-to-digest proteins that are partially hydrolyzed
- 50% of carbohydrates from lactose
- Complete nutrition appropriate for infants to continue feeding through 12 months of age to help support digestive health throughout the first year
- Kosher

* Proven in Enfamil® Infant formula.

† Studies compared infants fed Enfamil® with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women¹.

§ Enfamil Reguline has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

NUTRIENTS							
Product nutrient values and ingredients are subject to change. Please see product label for current information.							
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Protein, g	2.3	1.55	11.7	Biotin, mcg	3	2	15.2
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61
Linoleic acid, mg	780	530	4000	Choline, mg	24	16.2	122
Carbohydrate, g	11.1	7.5	56	Inositol, mg	6	4.1	30
Water, g	133	90	2.4	Minerals			
Vitamins/Other Nutrients							
Vitamin A, IU	300	200	1520	Calcium, mg	82	55	420
Vitamin D, IU	60	41	300	Phosphorus, mg	46	31	230
Vitamin E, IU	2	1.35	10.2	Magnesium, mg	8	5.4	41
Vitamin K, mcg	9	6.1	46	Iron, mg	1.5	1.01	7.6
Thiamin (Vitamin B ₁), mcg	80	54	410	Zinc, mg	1	0.68	5.1
Riboflavin (Vitamin B ₂), mcg	140	95	710	Manganese, mcg	15	10.1	76
Vitamin B ₆ , mcg	60	41	300	Copper, mcg	75	51	380
Vitamin B ₁₂ , mcg	0.3	0.2	1.52	Iodine, mcg	15	10.1	76
Niacin, mcg	1000	680	5100	Selenium, mcg	2.8	1.89	14.2
Folic acid (Folacin), mcg	16	10.8	81	Sodium, mg	36	24	183
Pantothenic acid, mcg	500	340	2500	Potassium, mg	108	73	550
				Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz	20 Calories/fl oz
Protein (% Calories)	9	Potential Renal Solute Load (mOsm/100 mL) ⁶
Whey:Casein Ratio	60:40	Osmolality (mOsm/kg water)
Fat (% Calories)	48	Osmolarity (mOsm/L)
Carbohydrate (% Calories)	43	Lactose-free
Potential Renal Solute Load (mOsm/100 Calories) ⁶	21	



Enfamil A.R.™

DESCRIPTION/INDICATION

Enfamil A.R. is a 20 Cal/fl oz, thickened, milk-based infant formula that reduces spit-up in 1 week and is appropriate for the first 12 months. Enfamil A.R. is clinically proven to reduce frequency and volume of regurgitation and meets the reflux reduction guidance of the American Academy of Pediatrics^{1,2}.

Long-Term Usage: Enfamil A.R. is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition until 12 months.

PRODUCT FEATURES

- Proprietary Triple Health Guard® blend of brain-nourishing DHA, a Natural Defense® Dual Prebiotic blend designed to support immune health and 30 nutrients for growth
- DHA at the clinically proven* amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{3,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{4,§}

- A Natural Defense Dual Prebiotic blend to help support digestive health
- Clinically proven to reduce spit-up by over 50%^{2,§}
- Meets reflux reduction guidance of the American Academy of Pediatrics¹
- Nutritionally balanced with a nutrient profile similar to routine infant formula
- Less caloric and more nutritionally balanced than adding rice cereal to formula
- Thickens further in the stomach, allowing easier flow through a standard nipple
- Milk-based formula has 20:80 whey-to-casein ratio and unmodified, pregelatinized, high amylopectin rice starch
- Kosher

* Studies compared infants fed Enfamil® with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women³.

‡ Enfamil A.R. has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

§ Based on a published, double-blind, randomized, controlled trial of Enfamil A.R. with infants who spit up frequently (5 or more spit-ups per day) comparing frequency and volume of spit-up after feeding Enfamil A.R. to the same infants at the beginning of the study.

PRODUCT FORMS

Enfamil A.R. is available in powder and ready-to-use liquid. For ordering information, please refer to page 253.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories (5 fl oz)		Per 100 mL		Per 100 grams
	Powder	Liquid	Powder	Liquid	Powder (500 Cal)
Protein, g	2.5	2.5	1.69	1.69	12.4
Fat, g	5.1	5.1	3.4	3.4	25
Linoleic acid, mg	780	780	530	530	3900
Carbohydrate, g	11.3	11.3	7.6	7.6	56
Water, g	133	132	90	89	2.2
Vitamins/Other Nutrients					
Vitamin A, IU	300	300	200	200	1490
Vitamin D, IU	60	60	41	40	300
Vitamin E, IU	2	2	1.35	1.35	9.9
Vitamin K, mcg	9	9	6.1	6.1	45
Thiamin (Vitamin B ₁), mcg	80	80	54	54	400
Riboflavin (Vitamin B ₂), mcg	140	140	95	94	700
Vitamin B ₆ , mcg	60	60	41	40	300
Vitamin B ₁₂ , mcg	0.3	0.3	0.2	0.2	1.49
Niacin, mcg	1000	1000	680	670	5000
Folic acid (Folacin), mcg	16	16	10.8	10.8	80
Pantothenic acid, mcg	500	500	340	340	2500
Biotin, mcg	3	3	2	2	14.9
Vitamin C (Ascorbic acid), mg	12	12	8.1	8.1	60
Choline, mg	24	24	16.2	16.2	119
Inositol, mg	6	6	4.1	4.0	30
Minerals					
Calcium, mg	78	78	53	53	390
Phosphorus, mg	53	53	36	36	260
Magnesium, mg	8	8	5.4	5.4	40
Iron, mg	1.8	1.8	1.22	1.21	9
Zinc, mg	1	1	0.68	0.67	5
Manganese, mcg	15	15	10.1	10.1	75
Copper, mcg	75	75	51	51	370
Iodine, mcg	15	15	10.1	10.1	75
Selenium, mcg	2.8	2.8	1.89	1.89	13.9
Sodium, mg	40	40	27	27	200
Potassium, mg	108	108	73	73	540
Chloride, mg	75	75	51	51	370

NUTRIENT FACTS			
Nutrient Density		20 Calories/fl oz	
Protein (% Calories)	10	Potential Renal Solute Load (mOsm/100 mL) ⁵	15.3
Whey:Casein Ratio	20:80	Osmolality (mOsm/kg water)	240 (Liq) 230 (Pw)
Fat (% Calories)	46	Osmolarity (mOsm/L)	210 (Liq) 210 (Pw)
Carbohydrate (% Calories)	44	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁵	23		

COMPOSITION

Ingredients: Powder: Nonfat milk, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), rice starch, lactose, maltodextrin, galactooligosaccharides^{||}, polydextrose^{||} and less than 1%: *Mortierella alpina* oil[¶], *Cryptocodium cohnii* oil[#], calcium carbonate, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, sodium selenite, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D₃, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), lactose and less than 2%: galactooligosaccharides^{||}, polydextrose^{||}, *Mortierella alpina* oil[¶], *Cryptocodium cohnii* oil[#], rice starch, maltodextrin, calcium carbonate, potassium chloride, magnesium phosphate, sodium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁,

biotin, vitamin B₁₂, soy lecithin, mono- and diglycerides, choline chloride, carrageenan, inositol, vitamin D₃, taurine, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle): Water, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils), lactose and less than 2%: galactooligosaccharides^{||}, polydextrose^{||}, *Mortierella alpina* oil[¶], *Cryptocodium cohnii* oil[#], rice starch, maltodextrin, calcium carbonate, potassium chloride, magnesium phosphate, sodium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, mono- and diglycerides, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, carrageenan, inositol, vitamin D₃, taurine, L-carnitine.

^{||} A type of prebiotic.

[¶] A source of arachidonic acid (ARA).

[#] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil A.R.™ contains milk and soy.

References

- Lightdale JR, Gremse DA, Section on Gastroenterology, Hepatology, and Nutrition. Gastroesophageal reflux: management guidance for the pediatrician. *Pediatrics*. 2013;131:e1684-e1695.
- Vanderhoof JA, Moran JR, Harris CL, et al. Efficacy of a pre-thickened infant formula: a multicenter, double-blind, randomized, placebo-controlled parallel group trial in 104 infants with symptomatic gastroesophageal reflux. *Clin Pediatr (Phila)*. 2003;42:483–495.
- Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
- Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr*. 2013;98:403-412.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Nutramigen[®] with Enflora[™] LGG^{®*}

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

DESCRIPTION/INDICATION

Nutramigen with Enflora LGG is a 20 Cal/fl oz, iron-fortified, lactose-free, hypoallergenic infant formula designed for infants who are allergic to the intact proteins in cow's milk and soy formulas. Nutramigen with Enflora LGG has extensively hydrolyzed casein protein to help avoid an immune system response by reducing the allergen exposure, and the probiotic branded LGG to help support the strength of the intestinal barrier and support digestive health.

Long-Term Usage: In cases of continued food allergies or intolerances, Nutramigen with Enflora LGG is sometimes used as a milk substitute in the diet of children beyond 12 months of age. When Nutramigen is used as a milk substitute beyond 12 months of age, the total calcium content of the diet should be assessed.

Extended use of Nutramigen with Enflora LGG (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis.

PRODUCT FEATURES

- Hypoallergenic protein source (extensively hydrolyzed casein)
- Nutramigen with Enflora LGG works fast and is clinically proven to:
 - Start to manage colic due to cow's milk allergy in as early as the first feeding, with 90% of infants improving within 48 hours^{1,†}
 - Result in 0% blood in stool after 4 weeks of feeding²
 - Help infants consume milk protein without an allergic response in as early as 6 months of feeding³
- Helps reduce the likelihood of other allergic manifestations by ~50% at 3 years of age^{4,†}
- Contains the probiotic branded LGG:
 - LGG promotes a healthy GI and immune system by supporting a balanced immune response, colonizing the infant's gut to support a healthy microflora and promoting normal gut barrier function
- DHA and ARA to promote brain and eye development⁵⁻¹²:
 - DHA at the clinically proven⁵ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{13,||}, and double the amount found in the leading competitor's product[¶]
- Clinically proven in over 75 clinical studies[†]
- Lactose-free
- Has no sucrose[#] as a carbohydrate source

† Some studies were prior to the addition of DHA, ARA and LGG.

‡ Rhinocconjunctivitis, urticaria, eczema and asthma.

§ Studies compared infants fed Enfamil[®] with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

|| Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women¹³.

¶ Nutramigen with Enflora LGG has not been shown superior to the leading competitor in promoting brain and eye development. The level of DHA in Similac Pro-Advance[™] is ~0.15% of total fatty acids.

When hereditary fructose intolerance is a concern.

NUTRIENTS			Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)	
Protein, g	2.8	1.89	14.1	Biotin, mcg	3	2	15.2
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61
Linoleic acid, mg	860	580	4300	Choline, mg	24	16.2	121
Carbohydrate, g	10.3	7	52	Inositol, mg	17	11.5	86
Water, g	131	89	2.3	Minerals			
Vitamins/Other Nutrients				Calcium, mg	94	64	470
Vitamin A, IU	300	200	1520	Phosphorus, mg	52	35	260
Vitamin D, IU	50	34	250	Magnesium, mg	8	5.4	40
Vitamin E, IU	2	1.35	10.1	Iron, mg	1.8	1.22	9.1
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5.1
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	25	16.9	126
Riboflavin (Vitamin B ₂), mcg	90	61	450	Copper, mcg	75	51	380
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	76
Vitamin B ₁₂ , mcg	0.3	0.2	1.52	Selenium, mcg	2.8	1.89	14.1
Niacin, mcg	1000	680	5100	Sodium, mg	47	32	240
Folic acid (Folacin), mcg	16	10.8	81	Potassium, mg	110	74	560
Pantothenic acid, mcg	500	340	2500	Chloride, mg	86	58	430

NUTRIENT FACTS	
Nutrient Density	20 Calories/fl oz
Protein (% Calories)	11
Fat (% Calories)	48
Carbohydrate (% Calories)	41
Potential Renal Solute Load (mOsm/100 Calories) ¹⁴	25
Potential Renal Solute Load (mOsm/100 mL) ¹⁴	16.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	Yes

PRODUCT FORMS

Nutramigen® with Enflora™ LGG® is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids (48%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (26%), casein hydrolysate (milk) (17%)**, modified corn starch (4%) and less than 2%: *Mortierella alpina* oil††, *Cryptocodinium cohnii* oil‡‡, *Lactobacillus rhamnosus* GG§§, calcium citrate, calcium phosphate, potassium chloride, potassium citrate, sodium citrate, calcium hydroxide, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D₃, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, inositol, vitamin A palmitate, vitamin E acetate, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

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

†† A source of arachidonic acid (ARA).

‡‡ A source of docosahexaenoic acid (DHA).

§§ Branded as LGG®, a registered trademark of Chr. Hansen A/S.

POTENTIAL ALLERGENS

Nutramigen with Enflora LGG contains milk and soy. Nutramigen with Enflora LGG is hypoallergenic. Allergic reactions to extensively hydrolyzed casein formulas are not commonly reported.

References

1. Lothe L, Lindberg T. Cow's milk whey protein elicits symptoms of infantile colic in colicky formula-fed infants: a double-blind crossover study. *Pediatrics*. 1989;83:262-266.
2. Baldassarre ME, Laforgia N, Fanelli M, et al. Lactobacillus GG improves recovery in infants with blood in the stools and presumptive allergic colitis compared with extensively hydrolyzed formula alone. *J Pediatr*. 2010;156:397-401.
3. Berni Canani R, Nocerino R, Terrin G, et al. Effect of Lactobacillus GG on tolerance acquisition in infants with cow's milk allergy: a randomized trial. *J Allergy Clin Immunol*. 2012;129:580-582, 582 e1-5.
4. Berni Canani R, Di Costanzo M, Bedogni G, et al. Extensively hydrolyzed casein formula containing Lactobacillus rhamnosus GG reduces the occurrence of other allergic manifestations in children with cow's milk allergy: 3-year randomized controlled trial. *J Allergy Clin Immunol*. 2017;139:1906-1913-e4. doi: 10.1016/j.jaci.2016.10.050.
5. Birch EE, Hoffman DR, Uauy R, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res*. 1998;44:201-209.
6. Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol*. 2000;42:174-181.
7. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr*. 2002;75:570-580.
8. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr*. 2003;142:669-677.
9. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) [abstract]. *FASEB J*. 2003;17:A727-A728. Abstract 445.1.
10. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr*. 2000;31:540-553.
11. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr*. 2005;81:871-879.
12. Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev*. 2005;81:197-203.
13. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
14. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.



Nutramigen® (Liquids)

DESCRIPTION/INDICATION

Nutramigen is an iron-fortified, hypoallergenic infant formula designed for infants who are allergic to the intact proteins in cow's milk and soy formulas. Nutramigen has extensively hydrolyzed casein protein to help avoid an immune response by reducing the allergen exposure and is proven effective for managing colic due to cow's milk allergy.

Long-Term Usage: Nutramigen is designed to provide a sole source of nutrition for infants up to age 6 months, and provide a major source of nutrition through 12 months of age. Normally, in feeding infants, gradual introduction of solid foods after 4–6 months of age is an important developmental as well as nutritional step.

In cases of continued food allergies or intolerances, Nutramigen is sometimes used as a milk substitute in the diet of children beyond 12 months of age. When Nutramigen is used as a milk substitute beyond 12 months of age, the total calcium content of the diet should be assessed.

Extended use of Nutramigen (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis.

PRODUCT FEATURES

- Hypoallergenic protein source (extensively hydrolyzed casein)
- Clinically proven to effectively manage colic due to cow's milk allergy in 48 hours^{1,2,*}
- Nutritionally complete
- DHA and ARA, important nutrients also found in breast milk that promote brain and eye development³⁻¹⁰
- Fatty acid profile patterned after breast milk^{11,12,†}
- Lactose-free

* Studied before the addition of DHA and ARA.

† Comparison based on fatty acid profile of typical mature U.S. breast milk.

PRODUCT FORMS

Nutramigen is available in ready-to-use liquid and concentrate. For ordering information, please refer to page 255.

NUTRIENTS (Normal Dilution)	Product nutrient values and ingredients are subject to change. Please see product label for current information.									
	Per 100 Calories (5 fl oz)					Per 100 mL				
	2 fl oz RTU	6 fl oz RTU	8 fl oz RTU	13 fl oz Conc	32 fl oz	2 fl oz RTU	6 fl oz RTU	8 fl oz RTU	13 fl oz Conc	32 fl oz
Protein, g	2.8	2.8	2.8	2.8	2.8	1.89	1.89	1.89	1.89	1.89
Fat, g	5.3	5.3	5.3	5.3	5.3	3.6	3.6	3.6	3.6	3.6
Linoleic acid, mg	860	860	860	860	780	580	580	580	580	530
Carbohydrate, g	10.3	10.3	10.3	10.3	10.3	7	7	7	7	7
Water, g	133	133	133	133	133	90	90	90	90	90
Vitamins/Other Nutrients										
Vitamin A, IU	300	300	300	300	300	200	200	200	200	200
Vitamin D, IU	50	50	50	50	50	34	34	34	34	34
Vitamin E, IU	2	2	2	2	2	1.35	1.35	1.35	1.35	1.35
Vitamin K, mcg	9	9	9	9	8	6.1	6.1	6.1	6.1	5.4
Thiamin (Vitamin B ₁), mcg	80	80	80	80	80	54	54	54	54	54
Riboflavin (Vitamin B ₂), mcg	90	90	90	90	90	61	61	61	61	61
Vitamin B ₆ , mcg	60	60	60	60	60	41	41	41	41	41
Vitamin B ₁₂ , mcg	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Niacin, mcg	1000	1000	1000	1000	1000	680	680	680	680	680
Folic acid (Folacin), mcg	16	16	16	16	16	10.8	10.8	10.8	10.8	10.8
Pantothenic acid, mcg	500	500	500	500	500	340	340	340	340	340
Biotin, mcg	3	3	3	3	3	2	2	2	2	2
Vitamin C (Ascorbic acid), mg	12	12	12	12	12	8.1	8.1	8.1	8.1	8.1
Choline, mg	24	24	24	24	24	16.2	16.2	16.2	16.2	16.2
Inositol, mg	17	17	17	17	17	11.5	11.5	11.5	11.5	11.5
Minerals										
Calcium, mg	94	94	94	94	94	64	64	64	64	64
Phosphorus, mg	52	52	52	52	52	35	35	35	35	35
Magnesium, mg	8	8	8	11	8	5.4	5.4	5.4	7.4	5.4
Iron, mg	1.8	1.8	1.8	1.8	1.8	1.22	1.22	1.22	1.22	1.22
Zinc, mg	1	1	1	1	1	0.68	0.68	0.68	0.68	0.68
Manganese, mcg	25	25	25	25	25	16.9	16.9	16.9	16.9	16.9
Copper, mcg	75	75	75	75	75	51	51	51	51	51
Iodine, mcg	15	15	15	15	15	10.1	10.1	10.1	10.1	10.1
Selenium, mcg	2.8	2.8	2.8	2.8	2.8	1.89	1.89	1.89	1.89	1.89
Sodium, mg	47	47	47	47	47	32	32	32	32	32
Potassium, mg	110	110	110	110	110	74	74	74	74	74
Chloride, mg	86	86	86	86	86	58	58	58	58	58

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz		20 Calories/fl oz		
	All versions		2 & 6 fl oz RTU	13 fl oz Concentrate	8 & 32 fl oz RTU
Protein (% Calories)	11	Potential Renal Solute Load (mOsm/100 mL) ¹³	16.9	16.9	16.9
Fat (% Calories)	48	Osmolality (mOsm/kg water)	320	260	270
Carbohydrate (% Calories)	41	Osmolarity (mOsm/L)	290	230	240
Potential Renal Solute Load (mOsm/100 Calories) ¹³	25	Lactose-Free	Yes	Yes	Yes

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (3%), casein hydrolysate[‡] (milk) (2%), modified corn starch (2%) and less than 1%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, citric acid, taurine, L-cystine, L-tyrosine, L-tryptophan, L-carnitine.

Ingredients: Ready To Use (6 fl oz Nursette bottle): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (4%), casein hydrolysate[‡] (milk) (2%), modified corn starch (2%) and less than 1%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, calcium phosphate, potassium citrate, calcium carbonate, potassium chloride, sodium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese

sulfate, sodium iodide, sodium selenite, carrageenan, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, L-cystine, inositol, L-tyrosine, L-tryptophan, vitamin B₁₂, taurine, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (3%), casein hydrolysate[‡] (milk) (2%), modified corn starch (2%) and less than 1%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, calcium phosphate, potassium citrate, calcium carbonate, potassium chloride, sodium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, carrageenan, citric acid, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin D₃, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, L-cystine, inositol, L-tyrosine, L-tryptophan, vitamin B₁₂, taurine, L-carnitine.

Ingredients: Ready To Use (32 fl oz bottle): Water (87%), corn syrup solids (5%), vegetable oil (palm olein, soy, coconut, and high oleic sunflower oils) (4%), casein hydrolysate[‡] (milk) (2%), modified corn starch (2%) and less than 1%:

Mortierella alpina oil[§], *Cryptocodium cohnii* oil^{||}, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, citric acid, taurine, L-cystine, L-tyrosine, L-tryptophan, L-carnitine.

Ingredients: Concentrate (13 fl oz can): Water (75%), corn syrup solids (10%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (7%), casein hydrolysate[‡] (milk) (4%), modified corn starch (3%) and less than 1%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, acetylated monoglycerides, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium selenite, sodium citrate, potassium citrate, potassium chloride, citric acid, taurine, L-cystine, L-tyrosine, L-tryptophan, L-carnitine.

[‡] Modified to be better tolerated in milk-allergic babies.

[§] A source of arachidonic acid (ARA).

^{||} A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Nutramigen® contains milk and soy. Nutramigen is hypoallergenic. Rarely, however, allergic reactions to extensively hydrolyzed casein formulas have been reported.

References

- Lothe L, Lindberg T. Cow's milk whey protein elicits symptoms of infantile colic in colicky formula-fed infants: a double-blind crossover study. *Pediatrics*. 1989;83:262-266.
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- Birch EE, Hoffman DR, Uauy RD, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res*. 1998;44:201-209.
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- Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr*. 2003;142:669-677.
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Nutramigen[®] with Enflora[™] LGG[®]* Toddler

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

- Increased calcium and vitamins as compared to Nutramigen[®] with Enflora[™] LGG[®] infant
- Lactose-free
- Has no sucrose[‡] as a carbohydrate source

† Studied in infants.

‡ When hereditary fructose intolerance is a concern.

DESCRIPTION/INDICATION

Nutramigen with Enflora LGG Toddler is a 20 Cal/fl oz, iron-fortified, hypoallergenic infant formula for older infants and toddlers who are allergic to the intact proteins in cow's milk or soy formulas. It is designed to help meet their growing nutritional needs. Nutramigen with Enflora LGG Toddler has extensively hydrolyzed casein protein to help avoid an immune system response by reducing the allergen exposure, and the probiotic branded LGG to help support the strength of the intestinal barrier and help support digestive health.

PRODUCT FEATURES

- Hypoallergenic protein source (extensively hydrolyzed casein)
- Contains the probiotic branded LGG:
 - LGG promotes a healthy GI and immune system by supporting a balanced immune response, colonizing the gut to support a healthy microflora and promoting normal gut barrier function[†]
- DHA and iron—building blocks of a toddler's brain

PRODUCT FORMS

Nutramigen with Enflora LGG Toddler is available in powder. For ordering information, please refer to page 256.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.		
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (480 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (480 Cal)		
Protein, g	2.5	1.69	12	Biotin, mcg	2.2	1.49	10.6		
Fat, g	4.3	2.9	21	Vitamin C (Ascorbic acid), mg	19	12.8	91		
Linoleic acid, mg	640	430	3100	Choline, mg	24	16.2	115		
Carbohydrate, g	12.8	8.7	61	Inositol, mg	17	11.5	82		
Water, g	132	89	1.63	Minerals					
Vitamins/Other Nutrients				Calcium, mg	130	88	620		
Vitamin A, IU	300	200	1440	Phosphorus, mg	72	49	350		
Vitamin D, IU	60	41	290	Magnesium, mg	10	6.8	48		
Vitamin E, IU	1.65	1.12	7.9	Iron, mg	1.6	1.08	7.7		
Vitamin K, mcg	13	8.8	62	Zinc, mg	1.1	0.74	5.3		
Thiamin (Vitamin B ₁), mcg	110	74	530	Manganese, mcg	50	34	240		
Riboflavin (Vitamin B ₂), mcg	180	122	860	Copper, mcg	75	51	360		
Vitamin B ₆ , mcg	154	104	740	Iodine, mcg	17.6	11.9	84		
Vitamin B ₁₂ , mcg	0.3	0.2	1.44	Selenium, mcg	2.5	1.69	12		
Niacin, mcg	1540	1040	7400	Sodium, mg	37	25	178		
Folic acid (Folacin), mcg	16	10.8	77	Potassium, mg	122	83	590		
Pantothenic acid, mcg	660	450	3200	Chloride, mg	80	54	380		

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	10	Potential Renal Solute Load (mOsm/100 mL) ¹	15.9
Fat (% Calories)	39	Osmolality (mOsm/kg water)	300
Carbohydrate (% Calories)	51	Osmolarity (mOsm/L)	270
Potential Renal Solute Load (mOsm/100 Calories) ¹	24	Lactose-free	Yes

COMPOSITION

Ingredients: Corn syrup solids (54%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (21%), casein hydrolysate[§] (milk) (14%), modified corn starch (6%) and less than 2%: *Mortierella alpina* oil[¶], *Cryptocodium cohnii* oil[¶], *Lactobacillus rhamnosus* GG (LGG), calcium phosphate, potassium citrate, calcium citrate, potassium chloride, calcium hydroxide, magnesium oxide, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, riboflavin, vitamin D₃, thiamin hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, vitamin E acetate, vitamin A palmitate, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

§ Modified to be better tolerated in milk-allergic babies.

¶ A source of arachidonic acid (ARA).

¶ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Nutramigen[®] with Enflora[™] LGG[®] Toddler contains milk and soy. Nutramigen with Enflora LGG Toddler is hypoallergenic. Allergic reactions to extensively hydrolyzed casein formulas are not commonly reported.

Reference

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

Notes



PurAmino™

DESCRIPTION/INDICATION

PurAmino is a 20 Cal/fl oz, iron-fortified, hypoallergenic, amino acid-based infant formula for the dietary management of infants with severe cow's milk protein allergy, not effectively managed by an extensively hydrolyzed formula. PurAmino is also indicated for the dietary management of infants with multiple food protein allergies. It may also be suitable for conditions requiring an elemental diet such as protein maldigestion, malabsorption, short bowel syndrome and eosinophilic esophagitis.

Long-Term Usage: PurAmino is designed to provide a sole source of nutrition for infants up to age 6 months and provide a major source of nutrition through 24 months of age, when indicated. Normally, in feeding infants, gradual introduction of solid foods after 4–6 months of age is an important developmental as well as nutritional step. In cases of severe and multiple food allergies or intolerances, PurAmino is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of PurAmino in the diet beyond 24 months of age may make a significant contribution to maintenance of good nutrition in such patients.

When PurAmino is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of PurAmino (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis.

PRODUCT FEATURES

- Hypoallergenic, 100% free amino acids as nitrogen source:
 - 100% of infants fed PurAmino had no allergic reactions/adverse events¹
 - 2.8 g protein equivalent/100 Calories
- Formulated with 33% medium-chain triglycerides (MCT) oil to help facilitate fat absorption
- Nutritionally complete:
 - Can be sole source of nutrition up to age 6 months
 - Can be major source of nutrition through 24 months
 - Dietary reference intakes include a recommendation for fiber for >12 months of age
- DHA and ARA, important nutrients also found in breast milk that promote brain and eye development²⁻⁷
- Lactose-free
- Demonstrated to support normal growth in healthy infants¹
- Kosher, Halal

NUTRIENTS				Product nutrient values and ingredients are subject to change. Please see product label for current information.			
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Protein equivalent, g	2.8	1.89	13.9	Biotin, mcg	3	2	14.9
Fat, g	5.3	3.6	26	Vitamin C (Ascorbic acid), mg	12	8.1	60
Linoleic acid, mg	860	580	4300	Choline, mg	24	16.2	119
Carbohydrate, g	10.6	7.2	53	Inositol, mg	17	11.5	85
Water, g	133	90	1.82	Minerals			
Vitamins/Other Nutrients				Calcium, mg	94	64	470
Vitamin A, IU	300	200	1490	Phosphorus, mg	52	35	260
Vitamin D, IU	50	34	250	Magnesium, mg	11	7.4	55
Vitamin E, IU	2	1.35	9.9	Iron, mg	1.8	1.22	9
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	25	16.9	124
Riboflavin (Vitamin B ₂), mcg	90	61	450	Copper, mcg	75	51	370
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	75
Vitamin B ₁₂ , mcg	0.3	0.2	1.49	Selenium, mcg	2.8	1.89	13.9
Niacin, mcg	1000	680	5000	Sodium, mg	47	32	230
Folic acid (Folacin), mcg	16	10.8	80	Potassium, mg	110	74	550
Pantothenic acid, mcg	500	340	2500	Chloride, mg	86	58	430

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	11	Potential Renal Solute Load (mOsm/100 mL) ⁸	16.9
Fat (% Calories)	47	Osmolality (mOsm/kg water)	350
Carbohydrate (% Calories)	42	Osmolarity (mOsm/L)	320
Potential Renal Solute Load (mOsm/100 Calories) ⁸	25	Lactose-free	Yes

PRODUCT FORMS

PurAmino is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids (48%), amino acids (L-aspartic acid, L-leucine, L-proline, L-lysine hydrochloride, L-alanine, monosodium glutamate, L-valine, L-isoleucine, L-threonine, L-serine, L-tyrosine, L-arginine, L-phenylalanine, glycine, L-histidine, L-cystine, L-tryptophan, L-methionine) (18%), high oleic sunflower oil (10%), medium chain triglycerides (MCT) oil (9%), soy oil (8%), modified tapioca starch (3%) and less than 2%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[†], choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, vitamin D₃, folic acid, vitamin K₁, biotin, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate, vitamin B₁₂, calcium phosphate, potassium citrate, calcium citrate, sodium citrate, potassium chloride, calcium hydroxide, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

PurAmino™ contains soy oil. PurAmino is hypoallergenic.

References

- Burks W, Jones SM, Berseth CL, et al. Hypoallergenicity and effects on growth and tolerance of a new amino acid-based formula with docosahexaenoic acid and arachidonic acid. *J Pediatr.* 2008;153:266-271.
- Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
- Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month old infants receiving dietary long-chain polyunsaturated fatty acids [abstract]. *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
- Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
- Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
- Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
- Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
- Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Notes



PurAmino™ Toddler

DESCRIPTION/INDICATION

PurAmino Toddler is a 30 Cal/fl oz, iron-fortified, hypoallergenic, amino acid-based toddler medical food for the dietary management of toddlers with severe cow's milk protein allergy, not effectively managed by an extensively hydrolyzed formula. PurAmino Toddler is also indicated for the dietary management of toddlers with multiple food protein allergies. It may also be suitable for conditions requiring an elemental diet such as protein maldigestion, malabsorption, short bowel syndrome and eosinophilic esophagitis.

Long-Term Usage: PurAmino Toddler is designed to provide a major source of nutrition for toddlers age 1 year and up. In cases of severe and multiple food allergies or intolerances, PurAmino Toddler is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of PurAmino Toddler in the diet may make a significant contribution to maintenance of good nutrition in such patients.

When PurAmino Toddler is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of PurAmino Toddler (or other toddler formulas) is most appropriately monitored by physicians and nutritionists on a case-by-case basis.

PRODUCT FEATURES

- Hypoallergenic, 100% free amino acids as nitrogen source
- The only amino acid toddler formula that has DHA and ARA, important nutrients that help promote brain and eye development
- Formulated with 33% medium-chain triglycerides (MCT) oil to help facilitate fat absorption
- Has calcium and protein for growing toddlers
- Lactose-free
- Kosher, Halal

PRODUCT FORMS

PurAmino Toddler is available in powder. For ordering information, please refer to page 256.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Protein equivalent, g	2.8	2.8	13.9	Biotin, mcg	3	3	14.9				
Fat, g	5.3	5.4	26	Vitamin C (Ascorbic acid), mg	12	12.1	60				
Linoleic acid, mg	860	870	4300	Choline, mg	24	24	119				
Carbohydrate, g	10.6	10.7	53	Inositol, mg	17	17.2	85				
Water, g	133	134	1.82	Minerals							
Vitamins/Other Nutrients				Calcium, mg	94	95	470				
Vitamin A, IU	300	300	1490	Phosphorus, mg	52	53	260				
Vitamin D, IU	50	51	250	Magnesium, mg	11	11.1	55				
Vitamin E, IU	2	2	9.9	Iron, mg	1.8	1.82	9				
Vitamin K, mcg	9	9.1	45	Zinc, mg	1	1.01	5				
Thiamin (Vitamin B ₁), mcg	80	81	400	Manganese, mcg	25	25	124				
Riboflavin (Vitamin B ₂), mcg	90	91	450	Copper, mcg	75	76	370				
Vitamin B ₆ , mcg	60	61	300	Iodine, mcg	15	15.2	75				
Vitamin B ₁₂ , mcg	0.3	0.3	1.49	Selenium, mcg	2.8	2.8	13.9				
Niacin, mcg	1000	1010	5000	Sodium, mg	47	47	230				
Folic acid (Folacin), mcg	16	16.2	80	Potassium, mg	110	111	550				
Pantothenic acid, mcg	500	510	2500	Chloride, mg	86	87	430				

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz		30 Calories/fl oz
Protein (% Calories)	11	Potential Renal Solute Load (mOsm/100 mL) ¹	25
Fat (% Calories)	47	Osmolality (mOsm/kg water)	Not Available
Carbohydrate (% Calories)	42	Osmolarity (mOsm/L)	Not Available
Potential Renal Solute Load (mOsm/100 Calories) ¹	25	Lactose-free	Yes

COMPOSITION

Ingredients: Corn syrup solids (49%), 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) (17%), high oleic sunflower oil (10%), medium chain triglycerides (MCT) oil (9%), soy oil (8%), modified tapioca starch (3%) and less than 2%: *Mortierella alpina* oil*, *Cryptocodinium cohnii* oil†, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, vitamin D₃, folic acid, vitamin K₁, biotin, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate, vitamin B₁₂, calcium phosphate, potassium citrate, calcium citrate, sodium citrate, potassium chloride, calcium hydroxide, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

PurAmino™ Toddler contains soy oil. PurAmino Toddler is hypoallergenic.

Reference

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



Other
**Special
Needs**
Formulas



Pregestimil®

DESCRIPTION/INDICATION

Pregestimil is an infant formula designed for infants who experience fat malabsorption and who may also be sensitive to intact proteins. Fat malabsorption or steatorrhea may be associated with cystic fibrosis, short bowel syndrome, intractable diarrhea and severe protein calorie malnutrition.

Long-Term Usage: Pregestimil is designed to provide a sole source of nutrition for infants up to age 6 months, and to provide a major source of nutrition through 12 months of age. Normally, in feeding infants, gradual introduction of solid foods after 4–6 months of age is an important developmental as well as nutritional step.

In cases of chronic malabsorption disorders, Pregestimil is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of Pregestimil in the diet beyond 12 months of age may make a significant contribution to the maintenance of good nutrition in such patients, and is not known to be harmful in any way. When Pregestimil is used as a milk substitute, the total calcium content of the diet should be assessed.

Extended use of Pregestimil (or other infant formulas) as a sole source of diet is most appropriately monitored by physicians and nutritionists on a case-by-case basis.

PRODUCT FEATURES

- Hypoallergenic protein source (extensively hydrolyzed casein)
- 55% of the fat from medium-chain triglycerides (MCT) oil
- Designed for infants with fat malabsorption problems
- Ready to use is virtually isotonic
- DHA and ARA, important nutrients also found in breast milk, that promote brain and eye development¹⁻³
- Available in both powder and Nursette® bottles
- Lactose-free

PRODUCT FORMS

Pregestimil is available in powder and ready-to-use liquid. For ordering information, please refer to page 256.

NUTRIENTS							
Product nutrient values and ingredients are subject to change. Please see product label for current information.							
(Normal Dilution)	20 Cal/fl oz				24 Cal/fl oz		Per 100 grams (500 Cal)
	Per 100 Calories (5 fl oz)		Per 100 mL		Per 100 Calories (4.2 fl oz)	Per 100 mL	
Form	Ready-to-Use	Powder	Ready-to-Use	Powder	Ready-to-Use		Powder
Protein, g	2.8	2.8	1.89	1.89	2.8	2.3	14
Fat, g	5.6	5.6	3.8	3.8	5.6	4.5	28
Linoleic acid, mg	940	940	640	640	940	760	4700
Carbohydrate, g	10.2	10.2	6.9	6.9	10.2	8.3	51
Water, g	133	131	90	89	108	90	2.6
Vitamins/Other Nutrients							
Vitamin A, IU	350	350	240	240	350	280	1750
Vitamin D, IU	50	50	34	34	50	41	250
Vitamin E, IU	4	4	2.7	2.7	4	3.2	20
Vitamin K, mcg	12	12	8.1	8.1	12	9.7	60
Thiamin (Vitamin B ₁), mcg	80	80	54	54	80	65	400
Riboflavin (Vitamin B ₂), mcg	90	90	61	61	90	73	450
Vitamin B ₆ , mcg	60	60	41	41	60	49	300
Vitamin B ₁₂ , mcg	0.3	0.3	0.2	0.2	0.3	0.24	1.5
Niacin, mcg	1000	1000	680	680	1000	810	5000
Folic acid (Folacin), mcg	16	16	10.8	10.8	16	13	80
Pantothenic acid, mcg	500	500	340	340	500	410	2500
Biotin, mcg	3	3	2	2	3	2.4	15
Vitamin C (Ascorbic acid), mg	12	12	8.1	8.1	12	9.7	60
Choline, mg	24	24	16.2	16.2	24	19.5	120
Inositol, mg	17	17	11.5	11.5	17	13.8	85
Minerals							
Calcium, mg	94	94	64	64	94	76	470
Phosphorus, mg	52	52	35	35	52	42	260
Magnesium, mg	8	8	5.4	5.4	8	6.5	40
Iron, mg	1.8	1.8	1.22	1.22	1.8	1.46	9
Zinc, mg	1	1	0.68	0.68	1	0.81	5
Manganese, mcg	25	25	16.9	16.9	25	20	125
Copper, mcg	75	75	51	51	75	61	380
Iodine, mcg	15	15	10.1	10.1	15	12.2	75
Selenium, mcg	2.8	2.8	1.89	1.89	2.8	2.3	14
Sodium, mg	47	47	32	32	47	38	240
Potassium, mg	110	110	74	74	110	89	550
Chloride, mg	86	86	58	58	86	70	430

NUTRIENT FACTS					
Nutrient Density	20 Cal/fl oz		24 Cal/fl oz		24 Cal/fl oz
			Pwd	Liq	
Protein (% Calories)	11	11	Potential Renal Solute Load (mOsm/100 mL) ⁹		20
Fat (% Calories)	49	49	Osmolality (mOsm/kg water)		340
Carbohydrate (% Calories)	40	40	Osmolarity (mOsm/L)		310
Potential Renal Solute Load (mOsm/100 Calories) ⁹	25	25	Lactose-free		Yes

COMPOSITION

Ingredients: Powder: Corn syrup solids (42%), casein hydrolysate* (from milk) (16%), medium chain triglycerides (MCT oil) (15%), modified corn starch (7%), soy oil (7%), corn oil (2%), high oleic vegetable oil (safflower or sunflower) (2%) and less than 2%: *Mortierella alpina* oil†, *Cryptocodinium cohnii* oil‡, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium citrate, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium citrate, potassium citrate, potassium chloride, potassium hydroxide, sodium selenite, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

Ingredients: 20 Calories/fl oz Ready To Use: Water (87%), corn syrup solids (5%), casein hydrolysate* (milk) (2%), medium chain triglycerides (MCT oil) (2%) and less than 2%: modified corn starch, soy oil, high oleic vegetable oil (safflower and/or sunflower oils), *Mortierella alpina* oil†, *Cryptocodinium cohnii* oil‡, carrageenan, vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate,

biotin, ascorbic acid, choline chloride, inositol, calcium carbonate, calcium hydroxide, calcium phosphate, potassium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium citrate, sodium iodide, potassium citrate, sodium selenite, potassium chloride, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

Ingredients: 24 Calories/fl oz Ready To Use: Water (84%), corn syrup solids (6%), casein hydrolysate* (milk) (3%), medium chain triglycerides (MCT oil) (2%), soy oil (2%), modified corn starch (2%) and less than 2%: high oleic vegetable oil (safflower or sunflower oil), *Mortierella alpina* oil†, *Cryptocodinium cohnii* oil‡, calcium phosphate, potassium citrate, calcium carbonate, magnesium chloride, potassium phosphate, calcium hydroxide, potassium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin B₁₂, thiamin hydrochloride, vitamin D₃, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, carrageenan, choline chloride, inositol, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

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

† A source of arachidonic acid (ARA).

‡ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Pregestimil® contains milk and soy. Pregestimil is hypoallergenic. Rarely, however, allergic reactions to extensively hydrolyzed casein formulas have been reported.

References

- Birch EE, Hoffman DR, Uauy R, et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
- Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol.* 2000;42:174-181.
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- Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
- Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mo. *Am J Clin Nutr.* 2005;81:871-879.
- Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
- Fomon SJ, Ziegler EE. Renal solute and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.



Enfaport™

DESCRIPTION/INDICATION

Enfaport is designed to meet the unique nutritional needs of infants with chylothorax or LCHAD deficiency. Enfaport balances high levels of medium-chain triglycerides (MCT) oil for easier absorption, and has DHA and ARA, important fatty acids for infant development.

PRODUCT FEATURES

- Easy-to-digest 60:40 whey-to-casein ratio, patterned after mature breast milk^{1*}
- 83% MCT[†] oil for easier fat absorption
- DHA and ARA, important nutrients also found in breast milk that promote brain and eye development²⁻⁹
- Kosher

* Comparison based on whey-to-casein ratio of typical mature breast milk (15 days to 6 months after birth).

† % of total fat blend.

PRODUCT FORM

Enfaport is available in ready-to-use liquid. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Ready to Use: Nonfat milk, water, corn syrup solids, medium chain triglycerides (MCT oil), whey protein concentrate and less than 2%: *Mortierella alpina* oil[‡], *Cryptocodium cohnii* oil[§], soy oil, calcium carbonate, potassium chloride, magnesium chloride, magnesium phosphate, potassium phosphate, ferrous sulfate, calcium chloride, sodium chloride, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin D₃, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, carrageenan, mono- and diglycerides, taurine, L-carnitine.

‡ A source of arachidonic acid (ARA).

§ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfaport contains milk and soy.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories (3.3 fl oz)	Per 100 mL		Per 100 Calories (3.3 fl oz)	Per 100 mL
Protein, g	3.5	3.6	Biotin, mcg	3	3.1
Fat, g	5.5	5.6	Vitamin C (Ascorbic acid), mg	12	12.2
Linoleic acid, mg	350	360	Choline, mg	24	24
Carbohydrate, g	10	10.2	Inositol, mg	17	17.3
Water, g	83	85	Minerals		
Vitamins/Other Nutrients					
Vitamin A, IU	350	360	Calcium, mg	94	96
Vitamin D, IU	50	51	Phosphorus, mg	52	53
Vitamin E, IU	4	4.1	Magnesium, mg	8.8	9
Vitamin K, mcg	12	12.2	Iron, mg	1.8	1.83
Thiamin (Vitamin B ₁), mcg	80	81	Zinc, mg	1	1.02
Riboflavin (Vitamin B ₂), mcg	90	92	Manganese, mcg	25	25
Vitamin B ₆ , mcg	68	69	Copper, mcg	75	76
Vitamin B ₁₂ , mcg	0.3	0.31	Iodine, mcg	15	15.3
Niacin, mcg	1000	1020	Selenium, mcg	2.8	2.9
Folic acid (Folacin), mcg	16	16.3	Sodium, mg	30	31
Pantothenic acid, mcg	500	510	Potassium, mg	115	117
			Chloride, mg	87	89

NUTRIENT FACTS			
Nutrient Density	30 Cal/fl oz		30 Cal/fl oz
Protein (% Calories)	14	Potential Renal Solute Load (mOsm/100 mL) ¹⁰	29
Fat (% Calories)	46	Osmolality (mOsm/kg water)	360
Carbohydrate (% Calories)	40	Osmolarity (mOsm/L)	310
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	28	Lactose-free	No

References

1. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr.* 1992;81:107-112.
2. Birch EE, Hoffman DR, Uauy R et al. Visual acuity and the essentiality of docosahexaenoic acid and arachidonic acid in the diet of term infants. *Pediatr Res.* 1998;44:201-209.
3. Birch EE, Garfield S, Hoffman DR, et al. A randomized controlled trial of early dietary supply of long-chain polyunsaturated fatty acids and mental development in term infants. *Dev Med Child Neurol.* 2000;42:174-181.
4. Birch EE, Hoffman DR, Castañeda YS, et al. A randomized controlled trial of long-chain polyunsaturated fatty acid supplementation of formula in term infants after weaning at 6 wk of age. *Am J Clin Nutr.* 2002;75:570-580.
5. Hoffman DR, Birch EE, Castañeda YS, et al. Visual function in breast-fed term infants weaned to formula with or without long-chain polyunsaturates at 4 to 6 months: a randomized clinical trial. *J Pediatr.* 2003;142:669-677.
6. Hoffman DR, Birch EE, Castañeda YS, et al. Maturation of visual and mental function in 18-month-old infants receiving dietary long-chain polyunsaturated fatty acids (LCPUFAs) [abstract]. *FASEB J.* 2003;17:A727-A728. Abstract 445.1.
7. Hoffman DR, Birch EE, Birch DG, et al. Impact of early dietary intake and blood lipid composition of long-chain polyunsaturated fatty acids on later visual development. *J Pediatr Gastroenterol Nutr.* 2000;31:540-553.
8. Birch EE, Castañeda YS, Wheaton DH, et al. Visual maturation of term infants fed long-chain polyunsaturated fatty acid-supplemented or control formula for 12 mos. *Am J Clin Nutr.* 2005;81:871-879.
9. Morale SE, Hoffman DR, Castañeda YS, et al. Duration of long-chain polyunsaturated fatty acids availability in the diet and visual acuity. *Early Hum Dev.* 2005;81:197-203.
10. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Notes



Portagen®

DESCRIPTION/INDICATION

Portagen is a milk protein-based powder with medium-chain triglycerides (MCT) for children and adults with defects in the intraluminal hydrolysis of fat (decreased pancreatic lipase, decreased bile salts); defective mucosal fat absorption (decreased mucosal permeability, decreased absorptive surface); and/or defective lymphatic transport of fat (ie, intestinal lymphatic obstruction).

Portagen is not recommended for use as an infant formula.

Long-Term Usage: Portagen powder is not nutritionally complete. If used long term, supplementation of essential fatty acids and ultra-trace minerals should be considered.

PRODUCT FEATURES

- 87% of fat from MCT
- Corn oil provides linoleic acid
- Kosher

PRODUCT FORM

Portagen is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, medium chain triglycerides (MCT oil), sodium caseinate (milk), sugar, corn oil and less than 2%: calcium citrate, potassium chloride, magnesium phosphate, calcium phosphate, potassium citrate, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, soy lecithin, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, vitamin B₆ hydrochloride, vitamin D₃, thiamin hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, vitamin E acetate, taurine, inositol, vitamin A palmitate, L-carnitine.

POTENTIAL ALLERGENS

Portagen contains milk protein.

CAUTION: Use as directed by your physician or dietitian.

Portagen powder is not designed for use as an infant formula.

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

References

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

NUTRIENTS

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

(Normal Dilution)	Per 100 grams Powder	Prepared Beverage per quart (30 Calories/fl oz)	% RDI (per quart)		Per 100 grams Powder	Prepared Beverage per quart (30 Calories/fl oz)	% RDI (per quart)
Calories	470	960		Vitamin K, mcg	74	151	190
Protein, g	16.5	34	68*	Thiamin, mg	0.74	1.51	100
Fat, g	22	45	†	Riboflavin, mg	0.88	1.79	110
Cholesterol, mg	<5	8	†	Niacin, mg	9.8	20	100
Carbohydrate, g	54	110	†	Vitamin B ₆ , mg	0.98	2	100
Linoleic acid, mg	1300	2600	†	Folic acid, mcg	74	151	40
Sodium, mg	260	530	†	Vitamin B ₁₂ , mcg	2.9	5.9	100
Potassium, mg	590	1200	†	Biotin, mcg	37	75	25
Chloride, mg	410	830	†	Pantothenic acid, mg	4.9	10	100
Choline, mg	61	124	†	Calcium, mg	440	900	90
Taurine, mg	28	57	†	Iron, mg	8.8	17.9	100
Inositol, mg	22	45	†	Phosphorus, mg	330	670	70
Vitamins and Minerals				Iodine, mcg	34	69	45
Vitamin A, IU	3700	7500	150	Magnesium, mg	98	200	50
Vitamin C, mg	38	77	130	Zinc, mg	4.4	9	60
Vitamin D, IU	370	750	190	Copper, mg	0.74	1.51	80
Vitamin E, IU	14.7	30	100	Manganese, mg	0.59	1.2	60

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz	30 Calories/fl oz
Protein (% Calories)	14	Total Calorie:Nitrogen Ratio
Fat (% Calories)	40	178:1
Carbohydrate (% Calories)	46	Nonprotein Calorie:Nitrogen Ratio
Potential Renal Solute Load (mOsm/L) ¹	300	153:1
Osmolality (mOsm/kg water)	350	Water (g/L)
Osmolarity (mOsm/L formula)	290	840
		Lactose-free
		Suitable for someone with lactose intolerance [‡]
		Low-residue
		Yes

* Percent Daily Value (DV).

† Reference Daily Intake (RDI) not established.

‡ Not suitable for persons with galactosemia.



3232 A

DESCRIPTION/INDICATION

3232 A is a protein hydrolysate base powder that is to be used with added carbohydrate. It contains tapioca starch. It is for use in the dietary management of infants and children with disaccharidase deficiencies or other disorders of carbohydrate metabolism under the direct and continuing supervision of a doctor.

Long-Term Usage: 3232 A is not nutritionally complete. Care should be taken to ensure adequate carbohydrate is added. If used long term, additional essential fatty acids should be considered.

To be used only under the supervision of a doctor.

PRODUCT FEATURES

- Allows adjustment of added carbohydrate according to patient's tolerance
- Hypoallergenic, protein hydrolysate
- 82% of the fat from medium-chain triglycerides (MCT) oil

PRODUCT FORM

3232 A is available in powder. For ordering information, please refer to page 252.

COMPOSITION

Ingredients: Modified tapioca starch (34%), medium chain triglycerides (MCT oil) (28%), casein hydrolysate* (milk) (26%), corn oil (6%) and less than 2%: vitamin A palmitate, vitamin D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, sodium ascorbate, choline chloride, inositol, calcium citrate, calcium hydroxide, calcium phosphate, magnesium oxide, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, sodium chloride, sodium iodide, potassium citrate, potassium phosphate, soy lecithin, calcium chloride, potassium chloride, sodium selenite, L-cystine, L-tyrosine, L-tryptophan, taurine, L-carnitine.

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

POTENTIAL ALLERGENS

3232 A contains milk and soy. 3232 A is hypoallergenic. Allergic reactions to extensively hydrolyzed casein formulas are not commonly reported.

NUTRIENTS

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

(Normal Dilution)	Per 100 Calories [†] (5 fl oz)	Per 100 g Powder [‡] (500 Cal)		Per 100 Calories [†] (5 fl oz)	Per 100 g Powder [‡] (500 Cal)
Protein, g	2.8	22	Biotin, mcg	7.8	61
Fat, g [§]	4.2	33	Vitamin C (Ascorbic acid), mg	11.7	92
Carbohydrate, g [§]	13.4	33	Choline, mg	13.3	105
Water, g	132	3	Inositol, mg	4.7	37
Linoleic acid, mg	300	2400	Minerals		
Vitamins/Other Nutrients			Calcium, mg	94	740
Vitamin A, IU	380	3000	Phosphorus, mg	62	490
Vitamin D, IU	60	470	Magnesium, mg	10.9	86
Vitamin E, IU	3.8	30	Iron, mg	1.5	11.8
Vitamin K, mcg	18.8	148	Zinc, mg	0.62	4.9
Thiamin (Vitamin B ₁), mcg	77	610	Manganese, mcg	32	250
Riboflavin (Vitamin B ₂), mcg	94	740	Copper, mcg	85	670
Vitamin B ₆ , mcg	62	490	Iodine, mcg	7	55
Vitamin B ₁₂ , mcg	0.32	2.5	Selenium, mcg	2.8	22
Niacin, mcg	1000	7900	Sodium, mg	43	340
Folic acid (Folacin), mcg	15.6	123	Potassium, mg	109	860
Pantothenic acid, mcg	470	3700	Chloride, mg	65	510

Product is incomplete without the addition of carbohydrate.

[†] Using 81 grams of 3232 A and 59 grams of carbohydrate per quart of prepared product.

[‡] Values do not include added carbohydrate.

[§] Care must be taken to provide essential fatty acids and sufficient carbohydrates.

NUTRIENT FACTS

Nutrient Density	Prepared with 59 g added carbohydrate at 20 Cal/fl oz	Prepared with no carbohydrate at 12.7 Cal/fl oz
Protein (% Calories)	11	18
Fat (% Calories)	35	56
Carbohydrate (% Calories)	54	26
Potential Renal Solute Load (mOsm/100 Calories) ¹	25	39
Potential Renal Solute Load (mOsm/100 mL) ¹	16.5	16.5
Lactose-free	Suitable for lactose intolerance if no lactose is added	

CAUTION

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough carbohydrate to support growth, using other foods with 3232 A as required. For long-term use, additional essential fatty acids should be considered. The child's doctor must carefully and constantly supervise use of 3232 A.

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

References

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



Premature Infant Formulas and Products



Enfamil® Premature 20 Cal

DESCRIPTION/INDICATION

Enfamil Premature 20 Cal is a milk-based infant formula specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk*. The Enfamil Premature Nutrition portfolio is the only premature infant formula line designed to meet the latest Global Expert Recommendations for all labeled nutrients. Protein is a major driver of lean mass growth and neuro-cognitive outcomes, and Enfamil Premature Nutrition supports these protein needs.

When more than 14 fl oz (414 mL) of 20 Calories/fl oz product is used per day, which may occur in larger infants weighing over 2500 g (5.5 lbs) consuming only Enfamil Premature, intake of some nutrients (eg, fat soluble vitamins) may be excessive. In such circumstances, it should be used only at the direction and under the supervision of a doctor. Enfamil® EnfaCare® may be a product to consider in such circumstances.

PRODUCT FEATURES

- Meets 2014 Global Expert Recommendations for 100% of all labeled nutrients¹

- 3.3 g of protein/100 Calories—appropriate for growth and development¹⁻³
- 80:20 whey-to-casein ratio patterned after early human milk[†]
- Calcium, phosphorus and vitamin D within the ranges recommended by experts to help support bone mineralization and growth¹:
 - Calcium:phosphorus ratio = 1.83:1
- DHA at 0.34% of total fatty acids, similar to the worldwide breast milk average^{4,‡}, to help support brain and eye development and to help support blood DHA concentration⁵
- Fat blend is 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{6,7}
- Carbohydrate blend of 60% corn syrup solids (glucose polymers) and 40% lactose that is easily digested and helps avoid overloading the premature infant's capacity to digest lactose
- Provides approximately 2 mg iron/kg body weight when fed at 120 Cal/kg body weight per day
- Kosher, Halal

* Increased caloric density, protein, and some vitamins and minerals compared to standard term formula to help support weight and growth in babies born prematurely.

† Whey-to-casein ratio 3-5 days after lactation begins.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁴.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories		Per 100 mL		
Protein, g	3.3	2.2	Biotin, mcg	4	2.7
Fat, g	5	3.4	Vitamin C (Ascorbic acid), mg	20	13.5
Linoleic acid, mg	810	550	Choline, mg	24	16.2
Carbohydrate, g	10.8	7.3	Inositol, mg	44	30
Water, g	132	89	Minerals		
Vitamins/Other Nutrients			Calcium, mg	165	112
Vitamin A, IU	1350	910	Phosphorus, mg	90	61
Vitamin D, IU	300	200	Magnesium, mg	9	6.1
Vitamin E, IU	6.3	4.3	Iron, mg	1.8	1.22
Vitamin K, mcg	9	6.1	Zinc, mg	1.5	1.01
Thiamin (Vitamin B ₁), mcg	200	135	Manganese, mcg	6.3	4.3
Riboflavin (Vitamin B ₂), mcg	300	200	Copper, mcg	120	81
Vitamin B ₆ , mcg	150	101	Iodine, mcg	25	16.9
Vitamin B ₁₂ , mcg	0.25	0.17	Selenium, mcg	5	3.4
Niacin, mcg	4000	2700	Sodium, mg	70	47
Folic acid (Folacin), mcg	40	27	Potassium, mg	98	66
Pantothenic acid, mcg	1200	810	Chloride, mg	106	72

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	13	Potential Renal Solute Load (mOsm/100 mL) ⁸	20
Whey:Casein Ratio	80:20	Osmolality (mOsm/kg water)	260
Fat (% Calories)	44	Osmolarity (mOsm/L)	230
Carbohydrate (% Calories)	43	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁸	30		

PRODUCT FORMS

Enfamil® Premature 20 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette bottles): Water, nonfat milk, corn syrup solids, whey protein concentrate, lactose, medium chain triglycerides (MCT oil), soy oil, high oleic sunflower oil and less than 0.5%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, calcium phosphate, calcium hydroxide, potassium citrate, sodium chloride, calcium carbonate, magnesium phosphate, calcium chloride, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, rice starch, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, mono- and diglycerides, inositol, soy lecithin, choline chloride, vitamin D₃, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature 20 Cal contains milk and soy.

CAUTION

This product should be used only as directed by the baby's doctor.

References

1. Koletzko B, Poindexter B, Uauy R (eds). *Nutritional Care of Preterm Infants: Scientific Basis and Practice Guidelines*. World Rev Nutr Diet. Basel, Karger, 2014; 110:1-314.
2. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr*. 2002;132(suppl):1395S-1577S.
3. Agostoni C, Buonocore G, Carnielli VP, et al. Enteral nutrient supply for preterm infants: commentary from the European Society of Paediatric Gastroenterology, Hepatology and Nutrition Committee on Nutrition. *J Pediatr Gastroenterol Nutr*. 2010;50:85-91.
4. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
5. Innis SM, Adamkin DH, Hall RT, et al. Docosahexaenoic acid and arachidonic acid enhance growth with no adverse effects in preterm infants fed formula. *J Pediatr*. 2002;140:547-554.
6. Tantibhedhyangkul P, Hashim SA. Medium-chain triglyceride feeding in premature infants: effects on fat and nitrogen absorption. *Pediatrics*. 1975;55:359-370.
7. Andrews BF, Lorch V. Improved fat and Ca absorption in LBW infants fed a medium-chain triglyceride containing formula [abstract]. *Pediatr Res*. 1974;8:104.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Enfamil® Premature 24 Cal

DESCRIPTION/INDICATION

Enfamil Premature 24 Cal is a milk-based infant formula specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk*. The Enfamil Premature Nutrition portfolio is the only premature infant formula line designed to meet the latest Global Expert Recommendations for all labeled nutrients. Protein is a major driver of lean mass growth and neuro-cognitive outcomes, and Enfamil Premature Nutrition supports these protein needs.

When more than 12 fl oz (355 mL) of 24 Calories/fl oz product is used per day, which may occur in larger infants weighing over 2500 g (5.5 lbs) consuming only Enfamil Premature, intake of some nutrients (eg, fat soluble vitamins) may be excessive. In such circumstances, it should be used only at the direction and under the supervision of a doctor. Enfamil® EnfaCare® may be a product to consider in such circumstances.

PRODUCT FEATURES

- Meets 2014 Global Expert Recommendations for 100% of all labeled nutrients¹

- 3.3 g of protein/100 Calories—appropriate for growth and development¹⁻³
- 80:20 whey-to-casein ratio patterned after early human milk[†]
- Calcium, phosphorus and vitamin D within the ranges recommended by experts to help support bone mineralization and growth¹:
 - Calcium:phosphorus ratio = 1.83:1
- DHA at 0.34% of total fatty acids, similar to the worldwide breast milk average^{4,‡}, to help support brain and eye development and to help support blood DHA concentration⁵
- Fat blend is 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{6,7}
- Carbohydrate blend of 60% corn syrup solids (glucose polymers) and 40% lactose that is easily digested and helps avoid overloading the premature infant's capacity to digest lactose
- Provides approximately 2 mg iron/kg body weight when fed at 120 Cal/kg body weight per day
- Kosher, Halal

* Increased caloric density, protein, and some vitamins and minerals compared to standard term formula to help support weight and growth in babies born prematurely.

† Whey-to-casein ratio 3-5 days after lactation begins.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁴.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories	Per 100 mL		Per 100 Calories	Per 100 mL
Protein, g	3.3	2.7	Biotin, mcg	4	3.2
Fat, g	5	4.1	Vitamin C (Ascorbic acid), mg	20	16.2
Linoleic acid, mg	810	660	Choline, mg	24	19.5
Carbohydrate, g	10.8	8.8	Inositol, mg	44	36
Water, g	108	88	Minerals		
Vitamins/Other Nutrients			Calcium, mg	165	134
Vitamin A, IU	1350	1100	Phosphorus, mg	90	73
Vitamin D, IU	300	240	Magnesium, mg	9	7.3
Vitamin E, IU	6.3	5.1	Iron, mg	1.8	1.46
Vitamin K, mcg	9	7.3	Zinc, mg	1.5	1.22
Thiamin (Vitamin B ₁), mcg	200	162	Manganese, mcg	6.3	5.1
Riboflavin (Vitamin B ₂), mcg	300	240	Copper, mcg	120	97
Vitamin B ₆ , mcg	150	122	Iodine, mcg	25	20
Vitamin B ₁₂ , mcg	0.25	0.2	Selenium, mcg	5	4.1
Niacin, mcg	4000	3200	Sodium, mg	70	57
Folic acid (Folacin), mcg	40	32	Potassium, mg	98	80
Pantothenic acid, mcg	1200	970	Chloride, mg	106	86

NUTRIENT FACTS			
Nutrient Density	24 Calories/fl oz		24 Calories/fl oz
Protein (% Calories)	13	Potential Renal Solute Load (mOsm/100 mL) ⁸	25
Whey:Casein Ratio	80:20	Osmolality (mOsm/kg water)	320
Fat (% Calories)	44	Osmolarity (mOsm/L)	280
Carbohydrate (% Calories)	43	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁸	30		

PRODUCT FORMS

Enfamil® Premature 24 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette bottles): Water, nonfat milk, corn syrup solids, whey protein concentrate, lactose, medium chain triglycerides (MCT oil), soy oil, high oleic sunflower oil and less than 0.5%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, calcium phosphate, calcium hydroxide, potassium citrate, sodium chloride, calcium carbonate, magnesium phosphate, calcium chloride, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, rice starch, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, mono- and diglycerides, inositol, soy lecithin, choline chloride, vitamin D₃, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature 24 Cal contains milk and soy.

CAUTION

This product should be used only as directed by the baby's doctor.

References

1. Koletzko B, Poindexter B, Uauy R (eds). *Nutritional Care of Preterm Infants: Scientific Basis and Practice Guidelines. World Rev Nutr Diet*. Basel, Karger, 2014; 110:1-314.
2. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr*. 2002;132(suppl):1395S-1577S.
3. Agostoni C, Buonocore G, Carnielli VP, et al. Enteral nutrient supply for preterm infants: commentary from the European Society of Paediatric Gastroenterology, Hepatology and Nutrition Committee on Nutrition. *J Pediatr Gastroenterol Nutr*. 2010;50:85-91.
4. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic acid and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
5. Innis SM, Adamkin DH, Hall RT, et al. Docosahexaenoic acid and arachidonic acid enhance growth with no adverse effects in preterm infants fed formula. *J Pediatr*. 2002;140:547-554.
6. Tantibhedhyangkul P, Hashim SA. Medium-chain triglyceride feeding in premature infants: effects on fat and nitrogen absorption. *Pediatrics*. 1975;55:359-370.
7. Andrews BF, Lorch V. Improved fat and Ca absorption in LBW infants fed a medium-chain triglyceride containing formula [abstract]. *Pediatr Res*. 1974;8:104.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Enfamil® Premature 24 Cal HP

DESCRIPTION/INDICATION

Enfamil Premature 24 Cal High Protein (HP) is a milk-based infant formula specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk. The Enfamil Premature Nutrition portfolio is the only premature infant formula line designed to meet the latest Global Expert Recommendations for all labeled nutrients. Protein is a major driver of lean mass growth and neuro-cognitive outcomes, and Enfamil Premature Nutrition supports these protein needs.

When more than 12 fl oz (355 mL) of 24 Calories/fl oz product is used per day, which may occur in larger infants weighing over 2500 g (5.5 lbs) consuming only Enfamil Premature, intake of some nutrients (eg, fat soluble vitamins) may be excessive. In such circumstances, it should be used only at the direction and under the supervision of a doctor. Enfamil® EnfaCare® may be a product to consider in such circumstances.

PRODUCT FEATURES

- Meets 2014 Global Expert Recommendations for 100% of all labeled nutrients¹

- 3.6 g of protein/100 Calories—appropriate for growth and development¹⁻³
- 80:20 whey-to-casein ratio patterned after early human milk[†]
- Calcium, phosphorus and vitamin D within the ranges recommended by experts to help support bone mineralization and growth¹:
 - Calcium:phosphorus ratio = 1.83:1
- DHA at 0.34% of total fatty acids, similar to the worldwide breast milk average^{4,‡}, to help support brain and eye development and to help support blood DHA concentration⁵
- Fat blend is 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{6,7}
- Carbohydrate blend of 60% corn syrup solids (glucose polymers) and 40% lactose that is easily digested and helps avoid overloading the premature infant's capacity to digest lactose
- Provides approximately 2 mg iron/kg body weight when fed at 120 Cal/kg body weight per day
- Kosher, Halal

* Increased caloric density, protein, and some vitamins and minerals compared to standard term formula to help support weight and growth in babies born prematurely.

† Whey-to-casein ratio 3-5 days after lactation begins.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁴.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories	Per 100 mL		Per 100 Calories	Per 100 mL
Protein, g	3.6	2.9	Biotin, mcg	4	3.2
Fat, g	5	4.1	Vitamin C (Ascorbic acid), mg	20	16.2
Linoleic acid, mg	810	660	Choline, mg	24	19.5
Carbohydrate, g	10.5	8.5	Inositol, mg	44	36
Water, g	108	88	Minerals		
Vitamins/Other Nutrients			Calcium, mg	165	134
Vitamin A, IU	1350	1100	Phosphorus, mg	90	73
Vitamin D, IU	300	240	Magnesium, mg	9	7.3
Vitamin E, IU	6.3	5.1	Iron, mg	1.8	1.46
Vitamin K, mcg	9	7.3	Zinc, mg	1.5	1.22
Thiamin (Vitamin B ₁), mcg	200	162	Manganese, mcg	6.3	5.1
Riboflavin (Vitamin B ₂), mcg	300	240	Copper, mcg	120	97
Vitamin B ₆ , mcg	150	122	Iodine, mcg	25	20
Vitamin B ₁₂ , mcg	0.25	0.2	Selenium, mcg	5	4.1
Niacin, mcg	4000	3200	Sodium, mg	70	57
Folic acid (Folacin), mcg	40	32	Potassium, mg	98	80
Pantothenic acid, mcg	1200	970	Chloride, mg	106	86

NUTRIENT FACTS

Nutrient Density	24 Calories/fl oz	24 Calories/fl oz
Protein (% Calories)	14	Potential Renal Solute Load (mOsm/100 mL) ⁸
Whey:Casein Ratio	80:20	Osmolality (mOsm/kg water)
Fat (% Calories)	44	Osmolarity (mOsm/L)
Carbohydrate (% Calories)	42	Lactose-free
Potential Renal Solute Load (mOsm/100 Calories) ⁸	32	

PRODUCT FORMS

Enfamil® Premature 24 Cal HP is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette bottles): Water, nonfat milk, corn syrup solids, whey protein concentrate, lactose, medium chain triglycerides (MCT oil), soy oil, high oleic sunflower oil and less than 0.5%: *Mortierella alpina* oil[§], *Cryptocodinium cohnii* oil^{||}, calcium phosphate, calcium hydroxide, potassium citrate, sodium chloride, calcium carbonate, magnesium phosphate, calcium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin D₃, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, rice starch, inositol, mono- and diglycerides, soy lecithin, choline chloride, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature 24 Cal HP contains milk and soy.

CAUTION

This product should be used only as directed by the baby's doctor.

References

1. Koletzko B, Poindexter B, Uauy R (eds). *Nutritional Care of Preterm Infants: Scientific Basis and Practice Guidelines*. World Rev Nutr Diet. Basel, Karger, 2014; 110:1-314.
2. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr*. 2002;132(suppl):1395S-1577S.
3. Agostoni C, Buonocore G, Carnielli VP, et al. Enteral nutrient supply for preterm infants: commentary from the European Society of Paediatric Gastroenterology, Hepatology and Nutrition Committee on Nutrition. *J Pediatr Gastroenterol Nutr*. 2010;50:85-91.
4. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
5. Innis SM, Adamkin DH, Hall RT, et al. Docosahexaenoic acid and arachidonic acid enhance growth with no adverse effects in preterm infants fed formula. *J Pediatr*. 2002;140:547-554.
6. Tantibhedhyangkul P, Hashim SA. Medium-chain triglyceride feeding in premature infants: effects on fat and nitrogen absorption. *Pediatrics*. 1975;55:359-370.
7. Andrews BF, Lorch V. Improved fat and Ca absorption in LBW infants fed a medium-chain triglyceride containing formula [abstract]. *Pediatr Res*. 1974;8:104.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Enfamil® Premature 30 Cal

DESCRIPTION/INDICATION

Enfamil Premature 30 Cal is a milk-based infant formula specifically formulated to meet the unique nutritional needs of rapidly growing premature or low-birth-weight infants who do not receive human milk*. The Enfamil Premature Nutrition portfolio is the only premature infant formula line designed to meet the latest Global Expert Recommendations for all labeled nutrients. Protein is a major driver of lean mass growth and neuro-cognitive outcomes, and Enfamil Premature Nutrition supports these protein needs.

Enfamil Premature 30 Cal is a versatile formula. It is ready to use at its full concentration for a calorically dense 30 Cal formula or can be customized for infants in the NICU. It can be mixed with Enfamil Premature 24 Cal to attain between 25 and 29 Cal/fl oz, or increase the protein content by mixing with Enfamil Premature 24 Cal HP.

Enfamil Premature 30 Cal provides expert nutrition to help meet the needs of your smallest infants.

PRODUCT FEATURES

- Meets 2014 Global Expert Recommendations for 100% of all labeled nutrients¹
- 3.3 g of protein/100 Calories—appropriate for growth and development¹⁻³
- 80:20 whey-to-casein ratio patterned after early human milk⁴
- Calcium, phosphorus and vitamin D within the ranges recommended by experts to help support bone mineralization and growth¹:
 - Calcium:phosphorus ratio = 1.83:1
- DHA at 0.34% of total fatty acids, similar to the worldwide breast milk average^{4,†}, to help support brain and eye development and to help support blood DHA concentration⁵
- Fat blend is 40% medium-chain triglycerides (MCT) oil to promote fat absorption^{6,7}
- Carbohydrate blend of 85% maltodextrin and 15% lactose that is easily digested and helps avoid overloading the premature infant's capacity to digest lactose
- Provides approximately 2 mg iron/kg body weight when fed at 120 Cal/kg body weight per day
- Kosher, Halal

* Increased caloric density, protein, and some vitamins and minerals compared to standard term formula to help support weight and growth in babies born prematurely.

† Whey-to-casein ratio 3-5 days after lactation begins.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women⁴.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories	Per 100 mL		Per 100 Calories	Per 100 mL
Protein, g	3.3	3.3	Biotin, mcg	4	4.1
Fat, g	5	5.1	Vitamin C (Ascorbic acid), mg	20	20
Linoleic acid, mg	810	820	Choline, mg	24	24
Carbohydrate, g	10.8	10.9	Inositol, mg	44	45
Water, g	83	84	Minerals		
Vitamins/Other Nutrients			Calcium, mg	165	167
Vitamin A, IU	1350	1370	Phosphorus, mg	90	91
Vitamin D, IU	300	300	Magnesium, mg	9	9.1
Vitamin E, IU	6.3	6.4	Iron, mg	1.8	1.83
Vitamin K, mcg	9	9.1	Zinc, mg	1.5	1.52
Thiamin (Vitamin B ₁), mcg	200	200	Manganese, mcg	6.3	6.4
Riboflavin (Vitamin B ₂), mcg	300	300	Copper, mcg	120	122
Vitamin B ₆ , mcg	150	152	Iodine, mcg	25	25
Vitamin B ₁₂ , mcg	0.25	0.25	Selenium, mcg	5	5.1
Niacin, mcg	4000	4100	Sodium, mg	70	71
Folic acid (Folacin), mcg	40	41	Potassium, mg	98	99
Pantothenic acid, mcg	1200	1220	Chloride, mg	106	107

NUTRIENT FACTS			
Nutrient Density	30 Calories/fl oz		30 Calories/fl oz
Protein (% Calories)	13	Potential Renal Solute Load (mOsm/100 mL) ⁸	30
Whey:Casein Ratio	80:20	Osmolality (mOsm/kg water)	320
Fat (% Calories)	44	Osmolarity (mOsm/L)	270
Carbohydrate (% Calories)	43	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁸	30		

PRODUCT FORMS

Enfamil® Premature 30 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette bottles): Water, nonfat milk, maltodextrin, whey protein concentrate, medium chain triglycerides (MCT oil), soy oil, high oleic sunflower oil and less than 1%: *Mortierella alpina* oil[§], *Cryptocodium cohnii* oil^{||}, calcium phosphate, calcium hydroxide, potassium citrate, sodium chloride, calcium carbonate, magnesium phosphate, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, manganese sulfate, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, vitamin D₃, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin K₁, biotin, vitamin B₁₂, mono- and diglycerides, inositol, rice starch, soy lecithin, choline chloride, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

§ A source of arachidonic acid (ARA).

|| A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil Premature 30 Cal contains milk and soy.

CAUTION

This product should be used only as directed by the baby's doctor.

References

1. Koletzko B, Poindexter B, Uauy R (eds). *Nutritional Care of Preterm Infants: Scientific Basis and Practice Guidelines*. World Rev Nutr Diet. Basel, Karger, 2014; 110:1-314.
2. Klein CJ. Nutrient requirements for preterm infant formulas. *J Nutr*. 2002;132(suppl):1395S-1577S.
3. Agostoni C, Buonocore G, Carnielli VP, et al. Enteral nutrient supply for preterm infants: commentary from the European Society of Paediatric Gastroenterology, Hepatology and Nutrition Committee on Nutrition. *J Pediatr Gastroenterol Nutr*. 2010;50:85-91.
4. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic acid and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr*. 2007;85:1457-1464.
5. Innis SM, Adamkin DH, Hall RT, et al. Docosahexaenoic acid and arachidonic acid enhance growth with no adverse effects in preterm infants fed formula. *J Pediatr*. 2002;140:547-554.
6. Tantibhedhyangkul P, Hashim SA. Medium-chain triglyceride feeding in premature infants: effects on fat and nitrogen absorption. *Pediatrics*. 1975;55:359-370.
7. Andrews BF, Lorch V. Improved fat and Ca absorption in LBW infants fed a medium-chain triglyceride containing formula [abstract]. *Pediatr Res*. 1974;8:104.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Enfamil® Premature Caloric Recipes

Enfamil Premature is a versatile formula that can be customized to help meet the needs of infants in the NICU. By following the recipes provided, Enfamil Premature can be mixed to adjust between 25 and 29 Cal per fl oz, or the protein content can be increased by mixing with Enfamil Premature 24 Cal High Protein.

Directions for Use:

Follow the instructions for preparation and use found on product label, except mix Enfamil Premature formula in the ratios provided on the following pages.



Always measure liquid formulas by volume when mixing, as bottle fill weights may vary.

Enfamil® Premature 30 Cal + Enfamil® Premature 24 Cal

To Prepare

Mix the following

25 Cal/fl oz



1 part EP 30 Cal + 5 parts EP 24 Cal

26 Cal/fl oz



1 part EP 30 Cal + 2 parts EP 24 Cal

27 Cal/fl oz



1 part EP 30 Cal + 1 part EP 24 Cal

28 Cal/fl oz



2 parts EP 30 Cal + 1 part EP 24 Cal

29 Cal/fl oz



5 parts EP 30 Cal + 1 part EP 24 Cal

Recipes for various formula concentrations for targeted caloric intakes

(See pages 96–110 for nutrient information.)

Nutrients per 100 Cal	Enfamil® Premature 24 Cal	Enfamil® Premature 30 Cal		+	Enfamil® Premature 24 Cal		Enfamil® Premature 30 Cal
	Approximate Ratio n/a	1:5	1:2	1:1	2:1	5:1	n/a
Cal/fl oz	24	25	26	27	28	29	30
Calories	100	100	100	100	100	100	100
Volume, mL/100 Cal	123	118	114	109	106	101	99
Protein, g whey:casein ratio=80:20	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Fat, g	5	5	5	5	5	5	5
Carbohydrate, g	10.8	10.8	10.9	10.8	10.8	10.9	10.8
Vitamins							
Vitamin A, IU	1350	1350	1360	1350	1360	1340	1350
Vitamin D, IU	300	300	290	300	300	300	300
Vitamin E, IU	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vitamin K, mcg	9	9	9	9	9	9	9
Thiamin, B ₁ , mcg	200	200	200	200	200	200	200
Riboflavin, B ₂ , mcg	300	300	290	300	300	300	300
Vitamin B ₆ , mcg	150	150	151	150	151	150	150
Vitamin B ₁₂ , mcg	0.25	0.25	0.26	0.25	0.25	0.24	0.25
Niacin, mcg	4000	4000	4100	4000	4000	4000	4000
Folic acid, mcg	40	40	41	40	40	40	40
Pantothenic acid, mcg	1200	1220	1220	1200	1200	1200	1200
Biotin, mcg	4	4	4.1	4	4	4	4
Vitamin C, mg	20	20	20	20	20	20	20
Choline, mg	24	24	24	24	24	24	24
Inositol, mg	44	43	45	44	44	43	44
Total nucleotides, mg	4.2	4.2	4.2	4.2	4.2	4.1	4.2
Minerals							
Calcium, mg	165	165	165	165	165	164	165
Phosphorus, mg	90	90	90	90	90	90	90
Magnesium, mg	9	9	9	9	9	9	9
Iron, mg	1.8	1.8	1.81	1.8	1.81	1.8	1.8
Zinc, mg	1.5	1.5	1.51	1.5	1.51	1.5	1.5
Manganese, mcg	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Copper, mcg	120	122	122	120	120	120	120
Iodine, mcg	25	25	26	25	25	25	25
Selenium, mcg	5	5	5	5	5	5	5
Sodium, mg	70	72	71	70	70	70	70
Potassium, mg	98	98	99	98	99	99	98
Chloride, mg	106	107	106	106	107	106	106
Additional Nutrients							
Chromium, mcg	NA	NA	NA	NA	NA	NA	NA
Molybdenum, mcg	NA	NA	NA	NA	NA	NA	NA
ARA, mg	34	33	35	33	33	33	34
DHA, mg	17	17.2	17.2	17	17	17	17
PRSL, mOsm	30	NS	NS	NS	NS	NS	30

The nutritional profiles of the formula prepared in accordance with the calorie modifications provided here may not meet the nutritional requirements of every premature or low birth weight infant. It is up to the individual.

Due to rounding, percentages and volume added may not be exactly the same.

Nutrients per 100 Cal	Enfamil® Premature 24 Cal HP	Enfamil® Premature 30 Cal		+	Enfamil® Premature 24 Cal HP	
	Approximate Ratio n/a	1:5	1:2	1:1	2:1	5:1
Cal/fl oz	24	25	26	27	28	29
Calories	100	100	100	100	100	100
Volume, mL/100 Cal	123	118	114	109	106	101
Protein, g whey:casein ratio=80:20	3.6	3.5	3.5	3.4	3.5	3.3
Fat, g	5	5	5	5	5	5
Carbohydrate, g	10.5	10.5	10.6	10.6	10.8	10.7
Vitamins						
Vitamin A, IU	1350	1350	1360	1350	1360	1340
Vitamin D, IU	300	300	290	300	300	300
Vitamin E, IU	6.3	6.3	6.3	6.3	6.3	6.3
Vitamin K, mcg	9	9	9	9	9	9
Thiamin, B ₁ , mcg	200	200	200	200	200	200
Riboflavin, B ₂ , mcg	300	300	290	300	300	300
Vitamin B ₆ , mcg	150	150	151	150	151	150
Vitamin B ₁₂ , mcg	0.25	0.25	0.26	0.25	0.25	0.24
Niacin, mcg	4000	4000	4100	4000	4000	4000
Folic acid, mcg	40	40	41	40	40	40
Pantothenic acid, mcg	1200	1220	1220	1200	1200	1200
Biotin, mcg	4	4	4.1	4	4	4
Vitamin C, mg	20	20	20	20	20	20
Choline, mg	24	24	24	24	24	24
Inositol, mg	44	43	45	44	44	43
Total nucleotides, mg	4.2	4.2	4.2	4.2	4.2	4.1
Minerals						
Calcium, mg	165	165	165	165	165	164
Phosphorus, mg	90	90	90	90	90	90
Magnesium, mg	9	9	9	9	9	9
Iron, mg	1.8	1.8	1.81	1.8	1.81	1.8
Zinc, mg	1.5	1.5	1.51	1.5	1.51	1.5
Manganese, mcg	6.3	6.3	6.3	6.3	6.3	6.3
Copper, mcg	120	122	122	120	120	120
Iodine, mcg	25	25	26	25	25	25
Selenium, mcg	5	5	5	5	5	5
Sodium, mg	70	72	71	70	70	70
Potassium, mg	98	98	99	98	99	99
Chloride, mg	106	107	106	106	107	106
Additional Nutrients						
Chromium, mcg	NA	NA	NA	NA	NA	NA
Molybdenum, mcg	NA	NA	NA	NA	NA	NA
ARA, mg	34	33	35	33	33	33
DHA, mg	17	17.2	17.2	17	17	17
PRSL, mOsm	32	NS	NS	NS	NS	NS

IU = International Units
mg = Milligrams

mcg = Micrograms
NA = None Added

NS = Non Specified
PRSL = Potential Renal Solute Load

Nutrients per 100 mL	Enfamil® Premature 24 Cal	Enfamil® Premature 30 Cal		+	Enfamil® Premature 24 Cal		Enfamil® Premature 30 Cal
	n/a	1:5	1:2	1:1	2:1	5:1	n/a
Approximate Ratio	n/a	1:5	1:2	1:1	2:1	5:1	n/a
Cal/fl oz	24	25	26	27	28	29	30
Calories	81	85	88	92	94	99	101
Volume, mL/100 Cal	100	100	100	100	100	100	100
Protein, g whey:casein ratio=80:20	2.7	2.8	2.9	3.1	3.1	3.2	3.3
Fat, g	4.1	4.2	4.4	4.6	4.7	4.9	5.1
Carbohydrate, g	8.8	9.2	9.6	9.9	10.2	10.7	10.9
Vitamins							
Vitamin A, IU	1100	1140	1190	1240	1280	1320	1370
Vitamin D, IU	240	250	260	270	280	300	300
Vitamin E, IU	5.1	5.4	5.5	5.8	6	6.2	6.4
Vitamin K, mcg	7.3	7.6	7.9	8.2	8.5	8.9	9.1
Thiamin, B ₁ , mcg	162	169	175	186	190	200	200
Riboflavin, B ₂ , mcg	240	250	260	270	280	300	300
Vitamin B ₆ , mcg	122	127	133	137	143	148	152
Vitamin B ₁₂ , mcg	0.2	0.21	0.22	0.23	0.24	0.24	0.25
Niacin, mcg	3200	3400	3600	3600	3800	3900	4100
Folic acid, mcg	32	34	36	36	38	39	41
Pantothenic acid, mcg	970	1030	1070	1100	1130	1180	1220
Biotin, mcg	3.2	3.4	3.6	3.6	3.8	3.9	4.1
Vitamin C, mg	16.2	16.9	17.5	18.6	19	20	20
Choline, mg	19.5	20	21	22	22	24	24
Inositol, mg	36	37	39	40	42	42	45
Total nucleotides, mg	3.4	3.5	3.7	3.8	3.9	4.1	4.3
Minerals							
Calcium, mg	134	139	145	151	156	162	167
Phosphorus, mg	73	76	79	82	85	89	91
Magnesium, mg	7.3	7.6	7.9	8.2	8.5	8.9	9.1
Iron, mg	1.46	1.52	1.58	1.64	1.71	1.77	1.83
Zinc, mg	1.22	1.27	1.33	1.37	1.43	1.48	1.52
Manganese, mcg	5.1	5.4	5.5	5.8	6	6.2	6.4
Copper, mcg	97	103	107	110	113	118	122
Iodine, mcg	20	21	22	23	24	25	25
Selenium, mcg	4.1	4.2	4.4	4.6	4.7	4.9	5.1
Sodium, mg	57	61	62	64	66	69	71
Potassium, mg	80	83	87	90	93	97	99
Chloride, mg	86	90	93	97	101	104	107
Additional Nutrients							
Chromium, mcg	NA	NA	NA	NA	NA	NA	NA
Molybdenum, mcg	NA	NA	NA	NA	NA	NA	NA
ARA, mg	28	28	30	31	31	32	34
DHA, mg	13.8	14.5	15.1	15.6	16.1	16.8	17.2
PRSL, mOsm	25	NS	NS	NS	NS	NS	30

The nutritional profiles of the formula prepared in accordance with the calorie modifications provided here may not meet the nutritional requirements of every premature or low birth weight infant. It is up to the individual.

Due to rounding, percentages and volume added may not be exactly the same.

Nutrients per 100 mL	Enfamil® Premature 24 Cal HP	Enfamil® Premature 30 Cal		+	Enfamil® Premature 24 Cal HP	
	n/a	1:5	1:2	1:1	2:1	5:1
Approximate Ratio	n/a	1:5	1:2	1:1	2:1	5:1
Cal/fl oz	24	25	26	27	28	29
Calories	81	85	88	92	94	99
Volume, mL/100 Cal	100	100	100	100	100	100
Protein, g whey:casein ratio=80:20	2.9	3	3	3.1	3.3	3.2
Fat, g	4.1	4.2	4.4	4.6	4.7	4.9
Carbohydrate, g	8.5	8.9	9.3	9.7	10.2	10.6
Vitamins						
Vitamin A, IU	1100	1140	1190	1240	1280	1320
Vitamin D, IU	240	250	260	270	280	300
Vitamin E, IU	5.1	5.4	5.5	5.8	6	6.2
Vitamin K, mcg	7.3	7.6	7.9	8.2	8.5	8.9
Thiamin, B ₁ , mcg	162	169	175	186	190	200
Riboflavin, B ₂ , mcg	240	250	260	270	280	300
Vitamin B ₆ , mcg	122	127	133	137	143	148
Vitamin B ₁₂ , mcg	0.2	0.21	0.22	0.23	0.24	0.24
Niacin, mcg	3200	3400	3600	3600	3800	3900
Folic acid, mcg	32	34	36	36	38	39
Pantothenic acid, mcg	970	1030	1070	1100	1130	1180
Biotin, mcg	3.2	3.4	3.6	3.6	3.8	3.9
Vitamin C, mg	16.2	16.9	17.5	18.6	19	20
Choline, mg	19.5	20	21	22	22	24
Inositol, mg	36	37	39	40	42	42
Total nucleotides, mg	3.4	3.5	3.7	3.8	3.9	4.1
Minerals						
Calcium, mg	134	139	145	151	156	162
Phosphorus, mg	73	76	79	82	85	89
Magnesium, mg	7.3	7.6	7.9	8.2	8.5	8.9
Iron, mg	1.46	1.52	1.58	1.64	1.71	1.77
Zinc, mg	1.22	1.27	1.33	1.37	1.43	1.48
Manganese, mcg	5.1	5.4	5.5	5.8	6	6.2
Copper, mcg	97	103	107	110	113	118
Iodine, mcg	20	21	22	23	24	25
Selenium, mcg	4.1	4.2	4.4	4.6	4.7	4.9
Sodium, mg	57	61	62	64	66	69
Potassium, mg	80	83	87	90	93	97
Chloride, mg	86	90	93	97	101	104
Additional Nutrients						
Chromium, mcg	NA	NA	NA	NA	NA	NA
Molybdenum, mcg	NA	NA	NA	NA	NA	NA
ARA, mg	28	28	30	31	31	32
DHA, mg	13.8	14.5	15.1	15.6	16.1	16.8
PRSL, mOsm	26	NS	NS	NS	NS	NS

IU = International Units
mg = Milligrams

mcg = Micrograms
NA = None Added

NS = Non Specified
PRSL = Potential Renal Solute Load



Infamil® EnfaCare®

DESCRIPTION/INDICATION

Infamil EnfaCare is a milk-based, 22 Cal/fl oz, iron-fortified, post-discharge formula with enriched nutrition for infants who were born prematurely or with low birth weight*. Infamil EnfaCare contains vitamin and mineral levels specially tailored for premature babies' first year of life after discharge from the hospital. Infamil EnfaCare is typically used during the first year of life for infants from approximately 1800 g in weight.

PRODUCT FEATURES

- Clinically proven to promote catch-up growth to help support developmental outcomes during the first year^{1,†}:
 - 2.8 g protein/100 Calories, which is a higher protein level than Infamil PREMIUM® Infant formula
 - 54% more calcium than Infamil PREMIUM Infant formula
 - 53% more phosphorus than Infamil PREMIUM Infant formula
 - 25% more vitamin D than Infamil PREMIUM Infant formula

- DHA to promote brain and eye development²⁻⁹:
 - DHA at the clinically proven amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{10,‡}
- 20% of the fat blend from medium-chain triglycerides (MCT) oil
- 80:20 whey-to-casein ratio patterned after early breast milk^{11,§}
- Has choline to help support brain development
- Kosher (powder and ready-to-use), Halal (ready-to-use)

* Increased caloric density, protein, and some vitamins and minerals compared to standard term formula to help support weight and growth in babies born prematurely.

† When used in a program of Infamil® formulas: Infamil® Premature, Infamil EnfaCare and Infamil® Infant.

‡ Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women¹⁰.

§ Based on whey-to-casein ratio 3-5 days after lactation begins.

PRODUCT FORMS

Infamil EnfaCare is available in powder, ready-to-use liquid and Nursette® bottles. For ordering information, please refer to page 253.

NUTRIENTS

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

(Normal Dilution)	Per 100 Calories (4.5 fl oz)		Per 100 mL		Per 100 grams
	Powder	Liquid	Powder	Liquid	Powder (500 Cal)
Protein, g	2.8	2.8	2.1	2.1	13.9
Fat, g	5.3	5.3	3.9	3.9	26
Linoleic acid, mg	860	860	640	640	4300
Carbohydrate, g	10.4	10.4	7.7	7.7	52
Water, g	119	120	88	89	2.5
Vitamins/Other Nutrients					
Vitamin A, IU	450	450	330	330	2200
Vitamin D, IU	75	75	56	56	370
Vitamin E, IU	4	4	3	3	20
Vitamin K, mcg	9	9	6.7	6.7	45
Thiamin (Vitamin B ₁), mcg	180	180	133	133	890
Riboflavin (Vitamin B ₂), mcg	200	200	148	148	990
Vitamin B ₆ , mcg	67	67	50	50	330
Vitamin B ₁₂ , mcg	0.3	0.3	0.22	0.22	1.49
Niacin, mcg	1000	1000	740	740	5000
Folic acid (Folacin), mcg	26	26	19.3	19.3	129
Pantothenic acid, mcg	850	850	630	630	4200
Biotin, mcg	6	6	4.4	4.4	30
Vitamin C (Ascorbic acid), mg	16	16	11.9	11.9	79
Choline, mg	24	24	17.8	17.8	119
Inositol, mg	24	24	17.8	17.8	119
Minerals					
Calcium, mg	120	120	89	89	600
Phosphorus, mg	66	66	49	49	330
Magnesium, mg	8	8	5.9	5.9	40
Iron, mg	1.8	1.8	1.33	1.33	8.9
Zinc, mg	1	1	0.74	0.74	5
Manganese, mcg	15	15	11.1	11.1	74
Copper, mcg	90	90	67	67	450
Iodine, mcg	21	21	15.6	15.6	104
Selenium, mcg	2.8	2.8	2.1	2.1	13.9
Sodium, mg	37	37	27	27	184
Potassium, mg	105	105	78	78	520
Chloride, mg	78	78	58	58	390

NUTRIENT FACTS				
Nutrient Density	22 Calories/fl oz		22 Calories/fl oz	
			Powder	Liquid
Protein (% Calories)	11	Osmolality (mOsm/kg water)	310	230
Fat (% Calories)	47	Osmolarity (mOsm/L)	270	200
Carbohydrate (% Calories)	42	Lactose-free	No	No
Potential Renal Solute Load (mOsm/100 Calories) ¹²	25			
Potential Renal Solute Load (mOsm/100 mL) ¹²	18.4			

COMPOSITION

Ingredients: Powder: Nonfat milk, whey protein concentrate, corn syrup solids, lactose, high oleic sunflower oil, soy oil, medium chain triglycerides (MCT oil), coconut oil and less than 2%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], calcium phosphate, calcium carbonate, ferrous sulfate, magnesium phosphate, zinc sulfate, potassium citrate, sodium chloride, cupric sulfate, manganese sulfate, sodium selenite, potassium iodide, soy lecithin, inositol, vitamin A palmitate, ascorbic acid, niacinamide, calcium pantothenate, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin D₃, folic acid, vitamin K₁, biotin, vitamin B₁₂, choline chloride, vitamin E acetate, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (2 fl oz Nursette®): Water, nonfat milk, maltodextrin, lactose, whey protein concentrate, high oleic sunflower oil, soy oil, medium chain triglycerides (MCT oil), coconut oil and less than 0.5%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], mono- and diglycerides, soy lecithin, calcium phosphate, calcium hydroxide, potassium citrate, calcium citrate, magnesium chloride, sodium chloride, potassium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, manganese sulfate, sodium selenite, rice starch, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, thiamin hydrochloride, vitamin A palmitate, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin D₃, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

Ingredients: Ready To Use (8 fl oz bottle): Water, nonfat milk, maltodextrin, lactose, whey protein concentrate, high oleic sunflower oil, soy oil, medium chain triglycerides (MCT oil), coconut oil and less than 0.5%: *Mortierella alpina* oil^{||}, *Cryptocodinium cohnii* oil[¶], mono- and diglycerides, soy lecithin, calcium phosphate, calcium hydroxide, potassium citrate, calcium citrate, magnesium chloride, sodium chloride, potassium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, manganese sulfate, sodium selenite, rice starch, sodium ascorbate, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, thiamin hydrochloride, vitamin A palmitate, riboflavin, vitamin B₆ hydrochloride, folic acid, vitamin D₃, vitamin K₁, biotin, vitamin B₁₂, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

^{||} A source of arachidonic acid (ARA).

[¶] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® EnfaCare® contains milk and soy.

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Enfamil® Human Milk Fortifier Powder

DESCRIPTION/INDICATION

Enfamil Human Milk Fortifier Powder is to be added to expressed breast milk for feeding premature or low-birth-weight infants. It provides enriched nutrition needed by these special babies while still allowing them to receive their mother's milk. Enfamil Human Milk Fortifier Powder is milk-based and, when mixed with mother's milk, increases the levels of protein, energy, calcium, phosphorus and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant.

Enfamil Human Milk Fortifier Powder was specifically designed to be used as a supplement to be added to mother's milk collected after 2 weeks postpartum.

PRODUCT FEATURES

- Well tolerated
- 1.1 g protein/4 packets
- Added iron to reduce the need for additional iron supplementation
- Includes fat and essential fatty acids
- Low osmolality
- Kosher, Halal

PRODUCT FORM

Enfamil Human Milk Fortifier Powder is available in powder. For ordering information, please refer to page 254.

COMPOSITION

Ingredients: Powder: Medium-chain triglycerides (MCT) 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 D₃, vitamin E acetate, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, magnesium phosphate, potassium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, potassium chloride, potassium citrate.

POTENTIAL ALLERGENS

Enfamil Human Milk Fortifier Powder contains milk and soy.

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

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 mothers' milk supplemented with human milk fortifiers.

Reference

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

NUTRIENTS			
Product nutrient values and ingredients are subject to change. Please see product label for current information.			
(4 Packets)	Per 4—0.025 oz (0.71 g) Packets (14 Cal)		Per 4—0.025 oz (0.71 g) Packets (14 Cal)
Protein, g	1.1	Folic acid (Folacin), mcg	25
Fat, g	1	Pantothenic acid, mcg	730
Linoleic acid, mg	140	Biotin, mcg	2.7
alpha-Linolenic acid, mg	17	Vitamin C (Ascorbic acid), mg	12
Carbohydrate, g	< 0.4	Minerals	
Water, g	0.08	Calcium, mg	90
Vitamins/Other Nutrients		Phosphorus, mg	50
Vitamin A, IU	950	Magnesium, mg	1
Vitamin D, IU	150	Iron, mg	1.44
Vitamin E, IU	4.6	Zinc, mg	0.72
Vitamin K, mcg	4.4	Manganese, mcg	10
Thiamin (Vitamin B ₁), mcg	150	Copper, mcg	44
Riboflavin (Vitamin B ₂), mcg	220	Sodium, mg	16
Vitamin B ₆ , mcg	115	Potassium, mg	29
Vitamin B ₁₂ , mcg	0.18	Chloride, mg	13
Niacin, mcg	3000		

NUTRIENT FACTS			
Nutrient Density	Per 4 Packets (14 Cal)		Per 4 Packets (14 Cal)
Protein (% Calories)	32	Potential Renal Solute Load (mOsm) [†]	9.8 per 4 packets [†]
Fat (% Calories)	62	Osmolality (mOsm/kg water) [†]	+35
Carbohydrate (% Calories)	6	Osmolarity (mOsm/L) [†]	Not available
Potential Renal Solute Load (mOsm) [†]	29 per 100 Calories	Lactose-free	No

* 23 mOsm/102 mL when 4 packets added to 100 mL preterm human milk.

† When added to human milk as recommended, EHM[®] Powder increases osmolality by approximately 35 mOsm/kg water.



Enfamil® Human Milk Fortifier Acidified Liquid

DESCRIPTION/INDICATION

Enfamil Human Milk Fortifier Acidified Liquid is to be added to expressed breast milk for feeding premature or low-birth-weight infants. It provides enriched nutrition needed by these special babies while still allowing them to receive their mother's milk. Enfamil Human Milk Fortifier Acidified Liquid increases the levels of protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients, producing a diet more suited to the nutritional needs of the rapidly growing premature infant.

PRODUCT FEATURES

- Clinically proven to promote growth, including linear growth^{1,2}:
 - ~21% more protein than Enfamil® Human Milk Fortifier Powder¹
 - Helps premature infants achieve significantly higher achieved weight, length, head circumference and linear growth rate than Enfamil HMF Powder with the same volume intake¹
- 4 g of protein per 100 Cal when mixed with preterm human milk¹
- Protein source is partially hydrolyzed whey protein

- Commercially sterile, single-dose packaging meets AND and CDC feeding preparation guidelines
- Clinically proven safe and well tolerated in preterm infants^{1-3,4}:
 - No statistical differences in confirmed NEC (3%), sepsis (12%) or serious adverse events than Enfamil HMF Powder¹
- Shown to significantly improve DHA and ARA status in preterm infants compared to Enfamil HMF Powder⁴

* Based on the gold standard for clinical research: randomized, prospective, blinded, controlled clinical trials.

† When mixed as directed: EHMAL + preterm human milk (1 vial + 25 mL).

‡ Studies used EHMAL vs. Enfamil HMF Powder.

PRODUCT FORM

Enfamil Human Milk Fortifier Acidified Liquid is available in an ultra-concentrated liquid. For ordering information, please refer to page 254.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 4 Vials (30 Cal)	4 Vials Plus 100 mL Preterm Breast Milk [§] (97 Cal)	Per 100 Cal Fortified Preterm Breast Milk [§]		Per 4 Vials (30 Cal)	4 Vials Plus 100 mL Preterm Breast Milk [§] (97 Cal)	Per 100 Cal Fortified Preterm Breast Milk [§]		Per 4 Vials (30 Cal)	4 Vials Plus 100 mL Preterm Breast Milk [§] (97 Cal)	Per 100 Cal Fortified Preterm Breast Milk [§]
Protein, g	2.2	3.8	4	Folic acid (Folacin), mcg	31	34	35				
Fat, g	2.3	5.8	6	Pantothenic acid, mcg	920	1150	1190				
Linoleic acid, mg	230	710	730	Biotin, mcg	3.4	3.9	4				
Carbohydrate, g	<1.2	7.9	8.1	Vitamin C (Ascorbic acid), mg	15.2	20	21				
Water, g	15.1	104	107	Minerals							
Vitamins/Other Nutrients				Calcium, mg	116	141	145				
Vitamin A, IU	1160	1210	1250	Phosphorus, mg	63	78	80				
Vitamin D, IU	188	200	210	Magnesium, mg	1.84	5.1	5.3				
Vitamin E, IU	5.6	6	6.2	Iron, mg	1.76	1.85	1.91				
Vitamin K, mcg	5.7	7.7	7.9	Zinc, mg	0.96	1.33	1.37				
Thiamin (Vitamin B ₁), mcg	184	193	200	Manganese, mcg	10	10.4	10.7				
Riboflavin (Vitamin B ₂), mcg	260	290	300	Copper, mcg	60	98	101				
Vitamin B ₆ , mcg	140	146	151	Sodium, mg	27	55	57				
Vitamin B ₁₂ , mcg	0.64	0.66	0.68	Potassium, mg	45	95	98				
Niacin, mcg	3700	3900	4000	Chloride, mg	28	86	89				

NUTRIENT FACTS			
Nutrient Density	Per 4 Vials (30 Cal)		Per 4 Vials (30 Cal)
Protein (% Calories)	29		Potential Renal Solute Load (mOsm/4 vials) [§]
Fat (% Calories)	65		Concentrate only
Carbohydrate (% Calories)	6		17.7 per 4 vials [¶]
Potential Renal Solute Load (mOsm/100 Calories) [§]	33 [¶]		Lactose-free
			No
	Per 1 Vial	Per 4 Vials	EHMAL + Preterm Human Milk (1 Vial + 25 mL)
Osmolality (mOsm/kg water)	–	–	326 [¶]
pH	~4.3	~4.3	~4.7

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

¶ When mixed at normal dilution, 1 vial to 25 mL preterm human milk.

¶¶ 31 mOsm/120 mL when 4 vials added to 100 mL preterm human milk.

When added to human milk as recommended, EHMAL increases osmolality by approximately 36 mOsm/kg water.

PRETERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 Cal

~Cal/fl oz	22	24
Preterm human milk	50 mL	25 mL
+ EHMFAL concentrate	+ 5 mL	+ 5 mL
Final volume, mL	55	30
Energy, Cal	100	100
Protein, g	3.3	4
Fat, g	5.7	6
Carbohydrate, g	9.3	8.1
Water, g	118	107
Vitamins/Other Nutrients		
Vitamin A activity, IU	770	1250
Vitamin D, IU	124	210
Vitamin E, IU	3.9	6.2
Vitamin K, mcg	5.9	7.9
Thiamin (Vitamin B ₁), mcg	123	200
Riboflavin (Vitamin B ₂), mcg	191	300
Vitamin B ₆ , mcg	93	151
Vitamin B ₁₂ , mcg	0.41	0.68
Niacin, mcg	2500	4000
Folic acid (Folacin), mcg	23	35
Pantothenic acid, mcg	840	1190
Biotin, mcg	2.7	4
Vitamin C (Ascorbic acid), mg	14.6	21
Minerals		
Calcium, mg	101	145
Phosphorus, mg	56	80
Magnesium, mg	5.1	5.3
Iron, mg	1.18	1.91
Zinc, mg	1.04	1.37
Manganese, mcg	6.5	10.7
Copper, mcg	83	101
Iodine, mcg	22	18.4
Selenium, mcg	2.9	2.5
Sodium, mg	51	57
Potassium, mg	89	98
Chloride, mg	88	89
Additional Nutrients		
Linoleic acid, mg	730	730
Linolenic acid, mg	54	60
ARA, mg	32	38
DHA, mg	21	24

PRETERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 mL

~Cal/mL	0.74	0.81
Preterm human milk	50 mL	25 mL
+ EHMFAL concentrate	+ 5 mL	+ 5 mL
Final volume, mL	55	30
Energy, Cal	75	81
Protein, g	2.5	3.2
Fat, g	4.2	4.8
Carbohydrate, g	6.9	6.6
Water, g	88	87
Vitamins/Other Nutrients		
Vitamin A activity, IU	570	1010
Vitamin D, IU	93	167
Vitamin E, IU	2.9	5
Vitamin K, mcg	4.4	6.4
Thiamin (Vitamin B ₁), mcg	92	161
Riboflavin (Vitamin B ₂), mcg	143	240
Vitamin B ₆ , mcg	69	122
Vitamin B ₁₂ , mcg	0.31	0.55
Niacin, mcg	1880	3300
Folic acid (Folacin), mcg	17	28
Pantothenic acid, mcg	630	960
Biotin, mcg	2	3.3
Vitamin C (Ascorbic acid), mg	10.9	16.7
Minerals		
Calcium, mg	75	118
Phosphorus, mg	42	65
Magnesium, mg	3.8	4.3
Iron, mg	0.88	1.54
Zinc, mg	0.77	1.11
Manganese, mcg	4.9	8.7
Copper, mcg	62	82
Iodine, mcg	16.2	14.8
Selenium, mcg	2.2	2
Sodium, mg	38	46
Potassium, mg	66	79
Chloride, mg	65	72
Additional Nutrients		
Linoleic acid, mg	540	590
Linolenic acid, mg	40	48
ARA, mg	24	31
DHA, mg	15.6	19.2

TERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 Cal

~Cal/fl oz	22	24
Term human milk	50 mL	25 mL
+ EHMFAL concentrate	+ 5 mL	+ 5 mL
Final volume, mL	55	30
Energy, Cal	100	100
Protein, g	2.4	3.2
Fat, g	5.6	6
Carbohydrate, g	10.1	8.9
Minerals, g	0.57	0.73
Water, g	118	108
Vitamins/Other Nutrients		
Vitamin A activity, IU	880	1350
Vitamin D, IU	116	195
Vitamin E, IU	4.4	6.6
Vitamin K, mcg	3.8	6.2
Thiamin (Vitamin B ₁), mcg	136	210
Riboflavin (Vitamin B ₂), mcg	220	320
Vitamin B ₆ , mcg	109	165
Vitamin B ₁₂ , mcg	0.48	0.74
Niacin, mcg	2700	4200
Folic acid (Folacin), mcg	32	43
Pantothenic acid, mcg	830	1190
Biotin, mcg	2.9	4.2
Vitamin C (Ascorbic acid), mg	21	26
Choline, mg	19.4	16.5
Inositol, mg	32	27
Total nucleotides, mg	3.4	2.9
Minerals		
Calcium, mg	98	143
Phosphorus, mg	54	78
Magnesium, mg	5.1	5.3
Iron, mg	1.14	1.88
Zinc, mg	0.82	1.2
Manganese, mcg	6.4	10.6
Copper, mcg	73	93
Iodine, mcg	18.2	15.5
Selenium, mcg	2.4	2.1
Sodium, mg	39	47
Potassium, mg	85	96
Chloride, mg	68	73
Additional Nutrients		
Linoleic acid, mg	830	820
Linolenic acid, mg	62	67
ARA, mg	32	38
DHA, mg	21	24

TERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 mL

~Cal/mL	0.74	0.81
Term human milk	50 mL	25 mL
+ EHMFAL concentrate	+ 5 mL	+ 5 mL
Final volume, mL	55	30
Energy, Cal	75	81
Protein, g	1.84	2.6
Fat, g	4.2	4.8
Carbohydrate, g	7.5	7.2
Minerals, g	0.43	0.59
Water, g	89	88
Vitamins/Other Nutrients		
Vitamin A activity, IU	660	1090
Vitamin D, IU	87	158
Vitamin E, IU	3.3	5.3
Vitamin K, mcg	2.8	5
Thiamin (Vitamin B ₁), mcg	102	167
Riboflavin (Vitamin B ₂), mcg	164	260
Vitamin B ₆ , mcg	82	133
Vitamin B ₁₂ , mcg	0.36	0.6
Niacin, mcg	2000	3400
Folic acid (Folacin), mcg	24	35
Pantothenic acid, mcg	620	960
Biotin, mcg	2.2	3.4
Vitamin C (Ascorbic acid), mg	16	21
Choline, mg	14.5	13.3
Inositol, mg	24	22
Total nucleotides, mg	2.5	2.3
Minerals		
Calcium, mg	73	116
Phosphorus, mg	41	63
Magnesium, mg	3.8	4.3
Iron, mg	0.85	1.52
Zinc, mg	0.62	0.97
Manganese, mcg	4.8	8.6
Copper, mcg	55	75
Iodine, mcg	13.6	12.5
Selenium, mcg	1.82	1.67
Sodium, mg	29	38
Potassium, mg	64	78
Chloride, mg	51	59
Additional Nutrients		
Linoleic acid, mg	620	670
Linolenic acid, mg	46	54
ARA, mg	24	31
DHA, mg	15.6	19.2

COMPOSITION

Ingredients: Water, whey protein isolate hydrolysate (milk), medium chain triglycerides (MCT oil), vegetable oil (soy and high oleic sunflower oils) and less than 2%: *Mortierella alpina* oil**, *Cryptocodinium cohnii* oil††, pectin, vitamin A palmitate, vitamin E acetate, vitamin D₃, vitamin K₁, thiamin hydrochloride, riboflavin, vitamin B₆ hydrochloride, vitamin B₁₂, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, calcium citrate, calcium phosphate, cupric sulfate, sodium citrate, potassium citrate, calcium chloride, citric acid, ferrous sulfate, magnesium phosphate, zinc sulfate.

** A source of arachidonic acid (ARA).

†† A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® Human Milk Fortifier Acidified Liquid contains milk and soy.

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.

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

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Oral Electrolyte Solutions



Enfamil® Enfalyte®

DESCRIPTION/INDICATION

Enfamil Enfalyte is an oral electrolyte solution designed for infants and children to quickly replace electrolytes and water that may be lost during vomiting and diarrhea to help restore hydration.

PRODUCT FEATURES

- Formulated with an optimal balance of carbohydrates, from corn syrup solids, to promote fluid and electrolyte absorption one might lose from vomiting and diarrhea
- Ready to use; no mixing or dilution required
- Available in unflavored and cherry flavor that is made with natural fruit flavor
- Balanced levels of electrolytes not found in soft drinks and juices
- Low osmolality (160 mOsm/kg water)
- Suitable for someone with lactose intolerance
- Kosher (Pareve ingredients; manufactured on dairy equipment)

PRODUCT FORM

Enfamil Enfalyte is available in ready-to-use 2 fl oz and 6 fl oz Nursette® bottles. For ordering information, please refer to page 253.

COMPOSITION

	Per 100 mL	
	mEq	mmole
Sodium	5	5
Chloride	4.5	4.5
Citrate	3.3	1.1
Potassium	2.5	2.5
Corn Syrup Solids	3 g	
Calories	12.6 Calories per 100 mL/3.7 Calories per fl oz	

NOTE: Enfamil Enfalyte Oral Electrolyte Solution has an osmolality of approximately 160 mOsm/kg of water.

Ingredients: Ready To Use Unflavored (2 fl oz Nursette): Water, corn syrup solids, salt (sodium chloride), potassium citrate, sodium citrate, citric acid.

Ingredients: Ready To Use Cherry Flavor (6 fl oz Nursette): Water, corn syrup solids, salt (sodium chloride), potassium citrate, natural flavor, sodium citrate, citric acid.

ADMINISTRATION

Young children or those with other underlying conditions, febrile children, children with dysentery (blood or mucus in stools), significant diarrhea or persistent vomiting, and a caregiver's report of signs and symptoms of dehydration or a change in mental status should have a medical evaluation to check for other serious conditions presenting with diarrhea, and to rule out conditions where oral rehydration would be contraindicated.

For Infants and Young Children: In 2004, the American Academy of Pediatrics (AAP) endorsed¹ the Centers for Disease Control and Prevention's report² that children and nursing infants who have diarrhea and who are not dehydrated should continue to be fed age-appropriate diets. The dietary management of dehydration in children weighing less than 10 kg (22 pounds) with minimal dehydration includes replacement of ongoing losses with 2–4 fl oz of oral rehydration fluids for each watery stool or for each episode of vomiting; larger children should be given twice as much. The dietary management of children with mild or moderate dehydration should include replacement of their estimated fluid deficit within 2–4 hours using 50–100 mL per kilogram of weight, in addition to replacement for ongoing losses. Physicians should guide parents on appropriate intakes based on the weight, rate of fluid loss and clinical status of the infant.

Nursing infants should continue nursing on demand. Formula-fed infants who require rehydration should be fed age-appropriate diets as soon as they have been rehydrated. Lactose-free diets are rarely necessary following diarrhea.

For Older Children and Adults: Enfamil® Enfalyte® is recommended for all ages of children and adults. Older children and adults should continue their normal diet during episodes of diarrhea.

Intake should be adjusted on the basis of clinical indications, amount of fluid loss, patients' usual water intake and other relevant factors.

Enfamil Enfalyte in Conjunction with Other Fluids: When severe fluid losses or accumulated deficits require parenteral fluid therapy, Enfamil Enfalyte may be given orally while the infant, child or adult is also receiving parenteral therapy to supply part of the estimated fluid needs. Careful attention must be paid to the amount of Enfamil Enfalyte consumed as it contributes to the total fluid intake. After emergency needs have been met, Enfamil Enfalyte alone (orally) may be used. Once the patient can tolerate regular foods, they may be introduced and the amount of Enfamil Enfalyte correspondingly decreased.

WARNING: Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids. Not for parenteral (I.V.) use.

CAUTION: This product should be used only as directed by the baby's doctor. If vomiting or fever is present, or diarrhea continues beyond 24 hours, consult the baby's doctor.

References

1. American Academy of Pediatrics. Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy. *Pediatrics*. 2004;114:507.
2. King CK, Glass R, Bresee JS, et al. for the Centers for Disease Control and Prevention. Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy. *MMWR Recomm Rep*. 2003;52(RR-16):1-16.



Enfamil® Enfalyte®

DESCRIPTION/INDICATION

Enfamil Enfalyte is a mild fruit-flavored oral electrolyte solution designed to quickly replace electrolytes and water that may be lost during vomiting and diarrhea to help restore hydration.

PRODUCT FEATURES

- Formulated with an optimal balance of carbohydrates and electrolytes to promote fluid and electrolyte absorption
- Balanced levels of electrolytes not found in soft drinks and juices
- Clear formulation—no artificial flavors, colors or sweeteners
- Ready to use; no mixing or dilution required
- Low osmolality (200-210 mOsm/kg water)
- Suitable for someone with lactose intolerance
- Kosher (Pareve ingredients; manufactured on dairy equipment)

PRODUCT FORM

Enfamil Enfalyte is available in ready-to-use 32 fl oz bottles. For ordering information, please refer to page 253.

COMPOSITION

	mEq	
	Per 32 fl oz	Per 100 mL
Sodium	47	5
Chloride	43	4.5
Citrate	31	3.3
Potassium	24	2.5
Corn Syrup Solids	3 g per 100 mL	
Calories	12.6 Calories per 100 mL/3.7 Calories per fl oz	

This product should be used only as directed by a doctor. If vomiting or fever is present, or diarrhea continues beyond 24 hours, consult a doctor.

Ingredients: Ready To Use (Cherry Splash Flavor): Water, corn syrup solids, natural flavor, potassium citrate, salt (sodium chloride), citric acid, sodium citrate.

Ingredients: Ready To Use (Mixed Fruit Flavor): Water, corn syrup solids, potassium citrate, salt (sodium chloride), natural flavor, sodium citrate, citric acid.

WARNING: Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids.

CAUTION: Use under medical supervision. Ready to use. Do not add water or dilute.



Hospital Feeding Systems

Hospital Feeding Systems

Mead Johnson is committed to advancing the science of pediatric nutrition by providing a comprehensive line of hospital products and accessories to give infants an excellent start in life.

NURSETTE® BOTTLES

Vacuum-sealed, disposable Nursette bottles for oral/enteral feeding are commercially sterile and convenient. Nursette bottles are easy to open and designed to be used with Enfamil® ready-to-use (40 mm) screw-type disposable nipple units described below.

Nursette bottles available: Disposable 2 fl oz bottles, conveniently packed, 48 per case and 6 fl oz bottles conveniently packed, 24 per case. The bottles are made of polypropylene and carry the #5 recycling code. They are not made with BPA or phthalates including DEHP.

ROUTINE



Enfamil NeuroPro™
Infant with Iron
20 Cal/fl oz
2 fl oz
#171601



Enfamil® 24
20 Cal/fl oz
2 fl oz
#166802



Enfamil NeuroPro
Infant with Iron
20 Cal/fl oz
6 fl oz
#171901

FEEDING SOLUTION FORMULAS



Enfamil® Gentlelease®
20 Cal/fl oz
2 fl oz
#146401



Enfamil® ProSobee®
20 Cal/fl oz
2 fl oz
#144901



Enfamil A.R.™
20 Cal/fl oz
2 fl oz
#145301



Enfamil Gentlelease
20 Cal/fl oz
6 fl oz
#129501

ALLERGY SOLUTION FORMULAS



Nutramigen®
20 Cal/fl oz
2 fl oz
#143701



Nutramigen
20 Cal/fl oz
6 fl oz
#429704

NICU AND SPECIALTY PRODUCTS



Enfamil® Premature
20 Cal/fl oz
2 fl oz
#156401



Enfamil® Premature
24 Cal/fl oz
2 fl oz
#156301



Enfamil® Premature
High Protein
24 Cal/fl oz
2 fl oz
#156601



Enfamil® Premature
30 Cal/fl oz
2 fl oz
#156501



Enfamil® EnfaCare®
22 Cal/fl oz
2 fl oz
#139001



Pregestimil®
20 Cal/fl oz
2 fl oz
#143301



Pregestimil
24 Cal/fl oz
2 fl oz
#143401



Enfaport™
30 Cal/fl oz
6 fl oz
#129601

PREMATURE INFANT PRODUCTS



Enfamil® Human Milk Fortifier Acidified Liquid
100 vials/carton, 2 cartons/case
#146301



Enfamil® Human Milk Fortifier Powder
100 units/carton, 2 cartons/case
#201418

ACCESSORIES

Mead Johnson distributes plastic bottles, Snappies® Breast Milk Storage Containers, Grad-U-Feed® Nurseries and Cleft Lip/Palate Nurseries. All are ready to use and disposable. They are not made with BPA or phthalates including DEHP.

Plastic Bottles:

Convenient plastic bottles hold 8 fl oz and come complete with an Enfamil® Standard-Flow Soft nipple, a nipple collar and a nipple cover. The bottles are made of polypropylene. There are 48 bottles in each case.



Ready-To-Use
Plastic Bottles 48/case
#028401

Grad-U-Feed Nurser:

The Grad-U-Feed Nurser holds 60 mL of feeding and is used to feed small amounts to infants in neonatal intensive care nurseries. The Grad-U-Feed Nurser is designed for measured feedings. The nursers are made of polypropylene. Nipple units are not provided with Grad-U-Feed Nurseries. Enfamil® nipples may be used. There are 100 Grad-U-Feed Nurseries per case.



Grad-U-Feed Nurser
100/case
#033901

ORAL ELECTROLYTE



Enfamil® Enfalyte®
Unflavored Oral Electrolyte
Solution 2 fl oz
#167101



Enfamil® Enfalyte
Cherry Flavored Oral
Electrolyte Solution 6 fl oz
#167503

Grad-U-Feed® Caps:

These white plastic caps are designed to fit the Grad-U-Feed Nurser. They must be sterilized before use and are designed to be used one time only. There are 200 caps per case.



Grad-U-Feed Caps
200/case
#006803

Snappies® Breast Milk Storage Containers:

Snappies are available in 70 mL (2.3 fl oz) or 35 mL (1.2 fl oz) breast milk storage containers with sterile interiors. 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 designed to collect, store and feed expressed breast milk. The bottles can withstand freezing temperatures as low as minus 70° F.



35 mL Snappies
Breast Milk
Storage Container
100/case
#134807



70 mL Snappies
Breast Milk
Storage Container
200/case
#134801

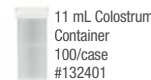
Additional Breast Milk Storage Containers:



10 fl oz Breast Milk
Storage Container
100/case
#134809



4 fl oz Breast Milk
Storage Container
250/case
#134808



11 mL Colostrum
Container
100/case
#132401

Cleft Lip/Palate Nurser:

The Cleft Lip/Palate Nurser is a squeezable bottle that holds 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. The nipple is made of surgical-grade plastic and is not made with natural rubber latex. There are 72 Cleft Lip/Palate Nursers per case.



Cleft Lip/Palate Nurser
72/case
#200101

Oral Waters:

Enfamil® Water for Oral Use comes in a Nursette® bottle, is commercially sterile and is intended for oral use only.

Enfamil® 5% Glucose in Water comes in a Nursette bottle and provides 5 grams of glucose in 100 mL of water.



Enfamil
Water for Oral Use
2 fl oz
#134501



Enfamil
5% Glucose in Water
2 fl oz
#134601

NUK® Pacifier and Nipple:

The NUK Newborn Orthodontic Pacifier-Exerciser is available in quantities of 100 pacifiers per case. The NUK Newborn Orthodontic Nipple is made of rubber and contains latex and is available in quantities of 240 nipples per case. Silicone oil is used during the manufacturing of NUK Newborn Orthodontic Nipples.



NUK Newborn
Orthodontic
Pacifier-Exerciser
100/case
#210702



NUK Newborn
Orthodontic Nipple
240/case
#210502

NUK is a registered trademark of MAPA, Germany.

Enfamil® Nipples:

Enfamil nipples are ready-to-use, individually wrapped and vented to allow airflow while the baby is sucking. They are not made with BPA, natural or synthetic rubber latex, or phthalates including DEHP. They will fit most bottles with standard or classic-size bottle openings, including our Nursette® bottles, Enfamil® Plastic Bottles, Grad-U-Feed® Nursers, Cleft Lip/Palate Nursers and Snappies®. There are 240 nipples per case.

**STARTER KITS**

Created for both breastfeeding and formula-feeding moms, the Enfamil® Nutrition Kits are customized with helpful resources and offers tailored to the feeding method mom chooses.

Enfamil Nutrition Kits

Enfamil NeuroPro™ Nutrition Kit (Liquid)	#3006-U3
Enfamil NeuroPro Nutrition Kit (NeuroPro Infant and Gentlease® Powder)	#3006-U4
Support Kit for NICU Parents	#3006-D1
Enfamil® EnfaCare® 8 oz Sample Kit (Powder)	#0019-88

**Notes**



Enfamil® 24

DESCRIPTION/INDICATION

Enfamil 24 is a 24 Cal/fl oz, milk-based, iron-fortified formula for full-term infants who require increased caloric density. Enfamil 24 has DHA in amounts clinically demonstrated to foster cognitive development through 5 years of age and has an 80:20 whey-to-casein ratio patterned after early breast milk. Enfamil 24 has the same trusted nutritional source as Enfamil PREMIUM® Newborn.

PRODUCT FEATURES

- DHA at the clinically proven¹ amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average^{1,†}, and double the amount found in the leading competitor's product[‡]:
 - Clinically proven¹ to support mental, visual and immune system development
 - Clinically shown to improve long-term cognitive outcomes through 5 years of age^{2*}
 - Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months^{3,§}

- A Natural Defense® Dual Prebiotic blend of GOS (galactooligosaccharides) and PDX (polydextrose) at 4 g/L is designed to:
 - Support immune health by promoting the growth of beneficial bacteria (bifidobacteria and lactobacilli)^{4,5}
 - Promote soft stools similar to those reported for breastfed infants⁶
- 24 Cal/fl oz formulation
- Easy-to-digest, 80:20 whey-to-casein ratio patterned after early breast milk^{7,§}
- 75 IU of vitamin D per 100 Cal
- Kosher

* Studies compared infants fed Enfamil® with DHA and ARA vs. discontinued Enfamil without DHA and ARA; studied before the addition of prebiotics.

† Average amount of DHA in worldwide breast milk is 0.32% ± 0.22% (mean ± standard deviation of total fatty acids) based on an analysis of 65 studies of 2,474 women¹.

‡ Enfamil 24 has not been shown superior to the leading competitor in supporting mental, visual and immune system development. The level of DHA in Similac Pro-Advance™ is ~0.15% of total fatty acids.

§ Based on whey-to-casein ratio 3-5 days after lactation begins.

PRODUCT FORM

Enfamil 24 is available in ready-to-use liquid. For ordering information, please refer to page 253.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 100 Calories (4.2 fl oz)	Per 100 mL [§]		Per 100 Calories (4.2 fl oz)	Per 100 mL [§]
Protein, g	2.1	1.7	Biotin, mcg	3	2.4
Fat, g	5.3	4.3	Vitamin C (Ascorbic acid), mg	12	9.7
Linoleic acid, mg	780	630	Choline, mg	24	19.5
Carbohydrate, g	11.2	9.1	Inositol, mg	6	4.9
Water, g	106	86	Minerals		
Vitamins/Other Nutrients					
Vitamin A, IU	300	240	Calcium, mg	78	63
Vitamin D, IU	75	61	Phosphorus, mg	43	35
Vitamin E, IU	2	1.62	Magnesium, mg	8	6.5
Vitamin K, mcg	9	7.3	Iron, mg	1.8	1.46
Thiamin (Vitamin B ₁), mcg	80	65	Zinc, mg	1	0.81
Riboflavin (Vitamin B ₂), mcg	140	114	Manganese, mcg	15	12.2
Vitamin B ₆ , mcg	60	49	Copper, mcg	75	61
Vitamin B ₁₂ , mcg	0.3	0.24	Iodine, mcg	15	12.2
Niacin, mcg	1000	810	Selenium, mcg	2.8	2.3
Folic acid (Folacin), mcg	16	13	Sodium, mg	27	22
Pantothenic acid, mcg	500	410	Potassium, mg	108	88
			Chloride, mg	63	51

§ At 24 Cal/fl oz (0.81 Cal/mL).

NUTRIENT FACTS			
Nutrient Density	24 Calories/fl oz		24 Calories/fl oz
Protein (% Calories)	8.5	Potential Renal Solute Load (mOsm/100 mL) ⁸	15.4
Whey:Casein Ratio	80:20	Osmolality (mOsm/kg water)	370
Fat (% Calories)	48	Osmolarity (mOsm/L)	320
Carbohydrate (% Calories)	43.5	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁸	19.1		

COMPOSITION

Ingredients: Ready To Use (2 fl oz Nursette® bottle): Water, nonfat milk, lactose, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: whey protein concentrate, galactooligosaccharides^{||}, polydextrose^{||}, *Mortierella alpina* oil[¶], *Schizochytrium sp.* oil[#], potassium citrate, calcium phosphate, calcium chloride, magnesium phosphate, sodium chloride, calcium carbonate, ferrous sulfate, sodium citrate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, mono- and diglycerides, ascorbic acid, sodium ascorbate, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B₆ hydrochloride, folic acid, vitamin K₁, vitamin B₁₂, vitamin D₃, biotin, soy lecithin, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, disodium uridine 5'-monophosphate, adenosine 5'-monophosphate, disodium guanosine 5'-monophosphate), taurine, L-carnitine.

|| A type of prebiotic.

¶|| A source of arachidonic acid (ARA).

A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfamil® 24 contains milk and soy.

References

1. Brenna JT, Varamini B, Jensen RG, et al. Docosahexaenoic and arachidonic acid concentrations in human breast milk worldwide. *Am J Clin Nutr.* 2007;85:1457-1464.
2. Colombo J, Carlson SE, Cheatham CL, et al. Long-term effects of LCPUFA supplementation on childhood cognitive outcomes. *Am J Clin Nutr.* 2013;98:403-412.
3. Birch EE, Khoury JC, Berseth CL, et al. The impact of early nutrition on incidence of allergic manifestations and common respiratory illnesses in children. *J Pediatr.* 2010;156:902-906.
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5. Salminen S, Endo A, Isolauri E, et al. Early gut colonization with lactobacilli and staphylococcus in infants: the hygiene hypothesis extended. *J Pediatr Gastroenterol Nutr.* 2016;62:80-86.
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7. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr.* 1992;81:107-112.
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**Toddler
Formulas**



Enfagrow PREMIUM™ Toddler Transitions®

DESCRIPTION/INDICATION

Enfagrow PREMIUM Toddler Transitions is a 20 Cal/fl oz complete infant formula for toddlers 9–18 months who are transitioning from infant formula or breast milk. Enfagrow PREMIUM Toddler Transitions has DHA, iron, vitamin C, vitamin E and 26 other nutrients to help support growth and development. When toddlers transition to new foods, ensuring balanced nutrition can become more of a challenge. Enfagrow PREMIUM Toddler Transitions helps make sure toddlers get important nutrients they might still need.

PRODUCT FEATURES

- Nutrition designed for older infants and toddlers 9–18 months
- Triple Health Guard® blend:
 - DHA and iron to help support toddler brain development¹⁻⁸
 - Prebiotics and vitamins and minerals designed to help support immune health
 - 30 nutrients for growth

- Calcium and vitamin D to support bone development
- Has other important nutrients like zinc that are important for toddler development
- No preservatives
- No artificial sweeteners
- No artificial flavoring
- No artificial colors
- Non-GMO*
- Kosher

* Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

PRODUCT FORMS

Enfagrow PREMIUM Toddler Transitions is available in powder. For ordering information, please refer to page 252.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Protein, g	2.6	1.76	13.1	Biotin, mcg	3	2	15.2				
Fat, g	5.3	3.6	27	Vitamin C (Ascorbic acid), mg	12	8.1	61				
Linoleic acid, mg	780	530	3900	Choline, mg	24	16.2	121				
Carbohydrate, g	10.8	7.3	55	Inositol, mg	6	4.1	30				
Water, g	132	89	2.4	Minerals							
Vitamins/Other Nutrients				Calcium, mg	200	132	980				
Vitamin A, IU	300	200	1520	Phosphorus, mg	130	88	660				
Vitamin D, IU	60	41	300	Magnesium, mg	8	5.4	40				
Vitamin E, IU	2	1.35	10.1	Iron, mg	1.5	1.01	7.6				
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5.1				
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	15	10.1	76				
Riboflavin (Vitamin B ₂), mcg	140	95	710	Copper, mcg	75	51	380				
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	10	6.8	51				
Vitamin B ₁₂ , mcg	0.3	0.2	1.52	Selenium, mcg	2.8	1.89	14.1				
Niacin, mcg	1000	680	5100	Sodium, mg	36	24	182				
Folic acid (Folacin), mcg	16	10.8	81	Potassium, mg	130	88	660				
Pantothenic acid, mcg	500	340	2500	Chloride, mg	80	54	400				

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	10	Potential Renal Solute Load (mOsm/100 mL) ⁹	17.6
Whey:Casein Ratio	20:80	Osmolality (mOsm/kg water)	270
Fat (% Calories)	48	Osmolarity (mOsm/L)	240
Carbohydrate (% Calories)	42	Lactose-free	No
Potential Renal Solute Load (mOsm/100 Calories) ⁹	26		



Enfagrow® Toddler Transitions® Gentlease®

DESCRIPTION/INDICATION

Enfagrow Toddler Transitions Gentlease is a 20 Cal/fl oz complete infant and toddler formula for toddlers 9–18 months who are transitioning from infant formula or breast milk. Enfagrow Toddler Transitions Gentlease can be helpful in situations where Enfamil PREMIUM® Gentlease® was used in infancy¹ and when sensitivity appears to continue. Enfagrow Toddler Transitions Gentlease has an easy-to-digest protein blend with a whey-to-casein ratio of 60:40[†] that has been partially broken down. It also has 25% of the lactose of a routine, milk-based infant and toddler formula.

Enfagrow Toddler Transitions Gentlease has DHA, iron, vitamin C, vitamin E and over 20 other nutrients to help support growth and development. When toddlers transition to new foods, ensuring complete nutrition can become more of a challenge. Enfagrow Toddler Transitions Gentlease helps make sure toddlers get the nutrients they might still need.

PRODUCT FEATURES

- Nutrition designed for older infants and toddlers 9–18 months
- Similar to Enfamil PREMIUM Gentlease; designed for toddlers experiencing fussiness and gas:
 - A special blend of easy-to-digest proteins that have been partially broken down
 - A blend of carbohydrates that has a reduced amount of lactose[†] designed for toddlers with fussiness or gas
- Triple Health Guard® blend:
 - DHA, also found in breast milk, that supports brain and eye development²⁻⁹
 - Iron to support mental development
 - Has vitamins C and E to help support toddlers' developing immune systems
- Calcium and vitamin D to support bone development
- Has other key nutrients like zinc that are important for toddler development
- No preservatives
- No artificial sweeteners
- No artificial flavoring
- No artificial colors
- Kosher

* Prior to partial hydrolysis.

† Approximately ½ the lactose of a routine, milk-based infant and toddler formula.

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Protein, g	2.6	1.76	12.9	Biotin, mcg	3	2	14.9				
Fat, g	5.3	3.6	26	Vitamin C (Ascorbic acid), mg	12	8.1	60				
Linoleic acid, mg	800	540	4000	Choline, mg	24	16.2	119				
Carbohydrate, g	10.5	7.1	52	Inositol, mg	6	4.1	30				
Water, g	133	90	2.4	Minerals							
Vitamins/Other Nutrients				Calcium, mg	200	135	990				
Vitamin A, IU	300	200	1490	Phosphorus, mg	130	88	650				
Vitamin D, IU	60	41	300	Magnesium, mg	8	5.4	40				
Vitamin E, IU	2	1.35	9.9	Iron, mg	1.5	1.01	7.5				
Vitamin K, mcg	9	6.1	45	Zinc, mg	1	0.68	5				
Thiamin (Vitamin B ₁), mcg	80	54	400	Manganese, mcg	15	10.1	75				
Riboflavin (Vitamin B ₂), mcg	140	95	700	Copper, mcg	75	51	370				
Vitamin B ₆ , mcg	60	41	300	Iodine, mcg	15	10.1	75				
Vitamin B ₁₂ , mcg	0.3	0.2	1.49	Selenium, mcg	2.8	1.89	13.9				
Niacin, mcg	1000	680	5000	Sodium, mg	40	27	200				
Folic acid (Folacin), mcg	16	10.8	80	Potassium, mg	130	88	650				
Pantothenic acid, mcg	500	340	2500	Chloride, mg	80	54	400				

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz	20 Calories/fl oz
Protein (% Calories)	10	Potential Renal Solute Load (mOsm/100 mL) ¹⁰
Whey:Casein Ratio	60:40	17.8
Fat (% Calories)	48	Osmolality (mOsm/kg water)
Carbohydrate (% Calories)	42	230
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	26	Osmolarity (mOsm/L)
		210
		Lactose-free
		No



Enfagrow® Toddler Transitions® Soy

DESCRIPTION/INDICATION

Enfagrow Toddler Transitions Soy is a 20 Cal/fl oz complete infant and toddler formula for toddlers 9–18 months who are transitioning from infant formula or breast milk. Enfagrow Toddler Transitions Soy is designed to be naturally gentle on a toddler's digestive system. It's milk-free and is suitable for toddlers with milk protein sensitivity—and still provides the nutrition toddlers need to grow and develop. Soy-based toddler formulas, such as Enfagrow Toddler Transitions Soy, are appropriate for use in older infants and toddlers with lactose intolerance and most older infants and toddlers with IgE-mediated allergy to cow's milk protein¹.

Enfagrow Toddler Transitions Soy has DHA, iron, vitamin C, vitamin E and over 20 other nutrients to help support growth and development. When toddlers transition to new foods, ensuring complete nutrition can become more of a challenge. Enfagrow Toddler Transitions Soy helps make sure toddlers get the nutrients they might still need.

PRODUCT FEATURES

- Nutrition designed for older infants and toddlers 9–18 months of age
- Similar to Enfamil® ProSobee®; designed for toddlers experiencing fussiness and gas when soy is preferred
- Milk-free and is suitable for someone with lactose intolerance
- Triple Health Guard® blend:
 - DHA, also found in breast milk, that supports brain and eye development²⁻⁹
 - Iron to support mental development
 - Has vitamins C and E to help support toddlers' developing immune systems
- Calcium and vitamin D to support bone development
- Has other key nutrients like zinc that are important for toddler development
- No preservatives
- No artificial sweeteners
- No artificial flavoring
- No artificial colors
- Lactose-free
- Kosher (Pareve ingredients; manufactured on dairy equipment)

NUTRIENTS							Product nutrient values and ingredients are subject to change. Please see product label for current information.				
(Normal Dilution)	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (470 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (470 Cal)		Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (470 Cal)
Protein, g	3.3	2.2	15.7	Biotin, mcg	3	2	14.2				
Fat, g	4.4	3	21	Vitamin C (Ascorbic acid), mg	12	8.1	57				
Linoleic acid, mg	720	490	3400	Choline, mg	24	16.2	114				
Carbohydrate, g	11.8	8	56	Inositol, mg	6	4.1	28				
Water, g	132	89	2.7	Minerals							
Vitamins/Other Nutrients				Calcium, mg	195	132	930				
Vitamin A, IU	300	200	1420	Phosphorus, mg	130	88	620				
Vitamin D, IU	60	41	280	Magnesium, mg	11	7.4	52				
Vitamin E, IU	2	1.35	9.5	Iron, mg	2	1.35	9.5				
Vitamin K, mcg	8	5.4	38	Zinc, mg	1.2	0.81	5.7				
Thiamin (Vitamin B ₁), mcg	80	54	380	Manganese, mcg	50	34	240				
Riboflavin (Vitamin B ₂), mcg	90	61	430	Copper, mcg	75	51	360				
Vitamin B ₆ , mcg	60	41	280	Iodine, mcg	15	10.1	71				
Vitamin B ₁₂ , mcg	0.3	0.2	1.42	Selenium, mcg	2.8	1.89	13.3				
Niacin, mcg	1000	680	4700	Sodium, mg	36	24	171				
Folic acid (Folacin), mcg	16	10.8	76	Potassium, mg	120	81	570				
Pantothenic acid, mcg	500	340	2400	Chloride, mg	80	54	380				

NUTRIENT FACTS			
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz
Protein (% Calories)	13	Potential Renal Solute Load (mOsm/100 mL) ¹⁰	20
Fat (% Calories)	40	Osmolality (mOsm/kg water)	230
Carbohydrate (% Calories)	47	Osmolarity (mOsm/L)	200
Potential Renal Solute Load (mOsm/100 Calories) ¹⁰	30	Lactose-free	Yes



Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor Milk Drink

(with other natural flavors)

DESCRIPTION/INDICATION

Enfagrow PREMIUM Toddler Next Step Natural Milk Flavor is a milk drink for toddlers 1–3 years old that complements their diet as they transition from infant formula or breast milk. Enfagrow PREMIUM Toddler Next Step Natural Milk Flavor is a nutritious alternative to milk. It has 22 total nutrients, such as DHA, prebiotics, iron, and vitamins C and E to help close nutritional gaps in toddler's diets and help support mental development. It has a natural milk[†] taste designed to appeal to a toddler's tastes, making it easier to deliver the nutrition he might still need.

PRODUCT FEATURES

- Triple Health Guard® blend has DHA to help support the brain, 22 nutrients to balance the diet, and prebiotics and vitamins to help support immune health:
 - DHA and iron—two building blocks of a toddler's brain
 - Calcium, vitamin D, zinc and 19 other nutrients—to help support growth and development
 - Natural Defense® Dual Prebiotic blend, designed to help support digestive health
- No preservatives
- No artificial sweeteners
- No artificial colors
- Non-GMO[†]
- Kosher

* With other natural flavors.

† Ingredients not genetically engineered. Trace amounts of genetically engineered material may be present in the product, such as from manufacturing environments and process sources. For more information, visit enfamil.com/nonGMO.

PRODUCT FORMS

Enfagrow PREMIUM Toddler Next Step Natural Milk Flavor (with other natural flavors) is available in powder and convenient ready-to-use liquid. For ordering information, please refer to page 252.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 160 Calories (~7 fl oz)	Per 160 Calories (8 fl oz)	Per 100 mL		Per 100 grams
Form	Powder	Ready-to-Drink	Powder	Ready-to-Drink	Powder
Calories	160	160	78	68	440
Protein, g	6	6	3.1	2.7	17.8
Fat, g	6	6	3.1	2.7	17.5
Saturated fat, g	2.5	2.5	1.27	1.1	7.2
Cholesterol, mg	5	5	0.38	2.1	2.1
Docosahexaenoic acid, mg	26	26	12.7	11	72
Carbohydrate, g	20	20	9.8	8.5	56
Dietary Fiber, g	<1	<1	0.39	0.4	2.2
Water, g	178	210	87	89	2.6
Vitamins/Other Nutrients					
Vitamin A, IU	500	500	250	210	1390
Vitamin D, IU	150	150	74	63	420
Vitamin E, IU	2.7	2.7	1.32	1.14	7.5
Thiamin (Vitamin B ₁), mcg	300	300	147	127	830
Riboflavin (Vitamin B ₂), mcg	360	360	176	152	1000
Vitamin B ₆ , mcg	360	360	176	152	1000
Niacin, mcg	3000	3000	1470	1270	8300
Folic acid, mcg	57	57	28	24	158
Biotin, mcg	30	30	14.7	12.7	83
Pantothenic acid, mcg	1130	1130	550	480	3100
Vitamin C (Ascorbic acid), mg	10	10	4.9	4.2	28
Minerals					
Calcium, mg	250	250	123	106	690
Phosphorus, mg	187	187	92	79	520
Magnesium, mg	38	38	18.6	16.1	106
Iron, mg	2.5	2.5	1.23	1.06	6.9
Zinc, mg	2.6	2.6	1.27	1.1	7.2
Copper, mcg	300	300	147	127	830
Sodium, mcg	80	45	39	17.3	220
Potassium, mg	300	300	147	127	830

NUTRIENT FACTS					
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz		
	Powder	Ready-to Drink	Powder	Ready-to Drink	
Protein (% Calories)	16	16	Potential Renal Solute Load (mOsm/100 mL) ¹	26	22
Whey:Casein Ratio	20:80	20:80	Osmolality (mOsm/kg water)	Not available	
Fat (% Calories)	35	35	Osmolarity (mOsm/L)	Not available	
Carbohydrate (% Calories)	49	49	Lactose-free	No	No
Potential Renal Solute Load (mOsm/100 Calories) ¹	34	33			

COMPOSITION

Ingredients: Powder: Nonfat milk, corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) and less than 2%: galactooligosaccharides[‡], polydextrose[‡], calcium carbonate, magnesium phosphate, salt, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, tuna fish oil[§], niacinamide, ascorbic acid, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, vitamin D₃, riboflavin, folic acid, biotin, ascorbyl palmitate, vitamin E acetate, vitamin A palmitate, natural flavor, soy lecithin.

Ingredients: Ready To Use: Water, nonfat milk, corn syrup solids, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides[‡], polydextrose[‡], *Cryptocodinium cohnii* oil[§], milk protein concentrate, sugar, potassium chloride, magnesium phosphate, calcium phosphate, potassium citrate, calcium hydroxide, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, natural flavor, soy lecithin, carrageenan, ascorbic acid, sodium ascorbate, niacinamide, vitamin E acetate, calcium pantothenate, thiamin hydrochloride, vitamin B₆

hydrochloride, riboflavin, vitamin A palmitate, folic acid, biotin, mono- and diglycerides, vitamin D₃.

‡ A type of prebiotic.

§ A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor contains milk and soy.

References

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

Nutrition Facts / Hechos de la Nutrición

Serving Size: 1/3 cup powder (36 g) / Tamaño de la Porción: 1/3 de taza en polvo (36 g)
Servings per container: about 19 / Porciones por lata: aprox. 19

Amount per serving / Cantidad por porción

Calories / Calorías 160 Calories from Fat / Calorías de la grasa 60

Total Fat / Grasa Total 6 g

Saturated Fat / Grasa Saturada 2.5 g

Trans Fat / Trans Grasa 0 g

Cholesterol / Colesterol 5 mg

Sodium / Sodio 80 mg

Potassium / Potasio 300 mg

Total Carbohydrate / Carbohidratos Totales 20 g

Dietary Fiber / Fibra Dietética <1 g

Sugars / Azúcares 11 g

Protein / Proteína 6 g

% Daily Value / % del Valor Diario

Protein / Proteína 40% • Niacin / Niacina 35%

Vitamin / Vitamina A 20% • Vitamin / Vitamina B₆ 50%

Vitamin / Vitamina C 25% • Folic Acid / Ácido Fólico 30%

Calcium / Calcio 30% • Biotin / Biotina 20%

Iron / Hierro 25% • Pantothenic Acid / Acido Pantoténico 25%

Vitamin / Vitamina D 40% • Phosphorous / Fósforo 25%

Vitamin / Vitamina E 25% • Magnesium / Magnesio 20%

Thiamin / Tiamina 45% • Zinc / Cinc 35%

Riboflavin / Riboflavina 45% • Copper / Cobre 30%

Nutrition Facts / Hechos de la Nutrición

Serving Size: 1 bottle (8 fl oz)
Tamaño de Porción: 1 botella (8 onzas líquidas)
Servings per container: 6 / Porciones por paquete: 6

Amount per serving / Cantidad por porción

Calories / Calorías 160

Calories from fat / Calorías de la grasa 60

Total Fat / Grasa Total 6 g

Saturated Fat / Grasa Saturada 2.5 g

Trans Fat / Trans Grasa 0 g

Cholesterol / Colesterol 5 mg

Sodium / Sodio 45 mg

Potassium / Potasio 300 mg

Total Carbohydrate/Carbohidratos Totales 20 g

Dietary Fiber / Fibra Dietética <1 g

Sugars / Azúcares 9 g

Protein / Proteína 6 g

% Daily Value / % del Valor Diario

Protein / Proteína 40% • Niacin / Niacina 35%

Vitamin / Vitamina A 20% • Vitamin / Vitamina B₆ 50%

Vitamin / Vitamina C 25% • Folic Acid / Acido Fólico 30%

Calcium / Calcio 30% • Biotin / Biotina 20%

Iron / Hierro 25% • Pantothenic Acid/Acido Pantoténico 25%

Vitamin / Vitamina D 40% • Phosphorous / Fósforo 25%

Vitamin / Vitamina E 25% • Magnesium / Magnesio 20%

Thiamin / Tiamina 45% • Zinc / Cinc 35%

Riboflavin / Riboflavina 45% • Copper / Cobre 30%

Enfagrow® Toddler Next Step™

Vanilla Flavor Milk Drink

(with other natural flavors)

DESCRIPTION/INDICATION

Enfagrow Toddler Next Step Vanilla is a vanilla flavored milk drink for toddlers 1–3 years old that complements their diet as they transition from infant formula or breast milk. Enfagrow Toddler Next Step Vanilla flavor is a nutritious alternative to milk. Enfagrow Toddler Next Step Vanilla flavor has 22 total nutrients, such as DHA, prebiotics, iron, and vitamins C and E to help close nutritional gaps in toddler's diets and help support mental development. It has a vanilla taste designed to appeal to a toddler's tastes, making it easier to deliver the nutrition he might still need.

PRODUCT FEATURES

- Triple Health Guard® blend has DHA to help support the brain, 22 nutrients to balance the diet, and prebiotics and vitamins to help support immune health:
 - DHA and iron—two building blocks of a toddler's brain
 - Calcium, vitamin D, zinc and 19 other nutrients—to help support growth and development
 - Natural Defense® Dual Prebiotic blend, designed to help support digestive health
- No preservatives
- No artificial sweeteners
- No artificial colors
- Kosher

* With other natural flavors.

PRODUCT FORMS

Enfagrow Toddler Next Step Vanilla is available in powder and convenient ready-to-use liquid. For ordering information, please refer to page 252.

NUTRIENTS					
Product nutrient values and ingredients are subject to change. Please see product label for current information.					
(Normal Dilution)	Per 160 Calories (~7 fl oz)		Per 100 mL		Per 100 grams
	Powder	Ready-to-Drink (8 fl oz)	Powder	Ready-to-Drink	Powder
Form					
Calories	160	160	78	68	440
Protein, g	6	6	3.1	2.7	17.8
Fat, g	6	6	3.1	2.7	17.5
Saturated fat, g	2.5	2.5	1.27	1.1	7.2
Cholesterol, mg	5	5	0.38	2.1	2.1
Docosahexaenoic acid, mg	26	26	12.7	11	72
Carbohydrate, g	20	20	9.8	8.5	56
Dietary Fiber, g	<1	<1	0.39	0.4	2.2
Water, g	178	210	87	89	2.4
Vitamins/Other Nutrients					
Vitamin A, IU	500	500	250	210	1390
Vitamin D, IU	150	150	74	63	420
Vitamin E, IU	2.7	2.7	1.32	1.14	7.5
Thiamin (Vitamin B ₁), mcg	300	300	147	127	830
Riboflavin (Vitamin B ₂), mcg	360	360	176	152	1000
Vitamin B ₆ , mcg	360	360	176	152	1000
Niacin, mcg	3000	3000	1470	1270	8300
Folic acid, mcg	57	57	28	24	158
Biotin, mcg	30	30	14.7	12.7	83
Pantothenic acid, mcg	1130	1130	550	480	3100
Vitamin C (Ascorbic acid), mg	10	10	4.9	4.2	28
Minerals					
Calcium, mg	250	250	123	106	690
Phosphorus, mg	187	187	92	79	520
Magnesium, mg	38	38	18.6	16.1	106
Iron, mg	2.5	2.5	1.23	1.06	6.9
Zinc, mg	2.6	2.6	1.27	1.1	7.2
Copper, mcg	300	300	147	127	830
Sodium, mcg	80	45	39	17.3	220
Potassium, mg	300	300	147	127	830



NUTRIENT FACTS				
Nutrient Density	20 Calories/fl oz		20 Calories/fl oz	
	Powder	Ready-to Drink	Powder	Ready-to Drink
Protein (% Calories)	16	16	Potential Renal Solute Load (mOsm/100 mL) ¹	26 22
Whey:Casein Ratio	20:80	20:80	Osmolality (mOsm/kg water)	Not available
Fat (% Calories)	35	35	Osmolarity (mOsm/L)	Not available
Carbohydrate (% Calories)	49	49	Lactose-free	No No
Potential Renal Solute Load (mOsm/100 Calories) ¹	34	33		

COMPOSITION

Ingredients: Powder: Nonfat milk, corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), sugar, galactooligosaccharides[†], polydextrose[†] and less than 1%: magnesium phosphate, calcium carbonate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, natural and artificial flavor, tuna fish oil[‡], ascorbic acid, niacinamide, ascorbyl palmitate, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin E acetate, vitamin A palmitate, soy lecithin.

Ingredients: Ready To Use: Water, nonfat milk, corn syrup solids, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: galactooligosaccharides[†], polydextrose[†], *Cryptocodinium cohnii* oil[†], milk protein concentrate, sugar, potassium chloride, magnesium phosphate, calcium phosphate, potassium citrate, calcium hydroxide, ferrous sulfate, zinc sulfate, cupric sulfate, sodium citrate, soy lecithin, carrageenan, ascorbic acid, sodium ascorbate, niacinamide, vitamin E acetate, calcium

pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin A palmitate, folic acid, biotin, mono- and diglycerides, natural flavor, vitamin D₃.

[†] A type of prebiotic.

[‡] A source of docosahexaenoic acid (DHA).

POTENTIAL ALLERGENS

Enfagrow® Toddler Next Step™ Vanilla contains milk and soy.

References

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

Nutrition Facts / Hechos de la Nutrición

Serving Size: 1/3 cup powder (36 g) / Tamaño de la Porción: 1/3 de taza en polvo (36 g)
Servings per container: about 19 / Porciones por lata: aprox. 19

Amount per serving / Cantidad por porción

Calories / Calorías 160 Calories from Fat / Calorías de la grasa 60

Total Fat / Grasa Total 6 g

Saturated Fat / Grasa Saturada 2.5 g

Trans Fat / Trans Grasa 0 g

Cholesterol / Colesterol 5 mg

Sodium / Sodio 80 mg

Potassium / Potasio 300 mg

Total Carbohydrate / Carbohidratos Totales 20 g

Dietary Fiber / Fibra Dietética <1 g

Sugars / Azúcares 13 g

Protein / Proteína 6 g

% Daily Value / % del Valor Diario

Protein / Proteína 40% • Niacin / Niacina 35%

Vitamin / Vitamina A 20% • Vitamin / Vitamina B₆ 50%

Vitamin / Vitamina C 25% • Folic Acid / Ácido Fólico 30%

Calcium / Calcio 30% • Biotin / Biotina 20%

Iron / Hierro 25% • Pantothenic Acid / Acido Pantoténico 25%

Vitamin / Vitamina D 40% • Phosphorous / Fósforo 25%

Vitamin / Vitamina E 25% • Magnesium / Magnesio 20%

Thiamin / Tiamina 45% • Zinc / Cinc 35%

Riboflavin / Riboflavina 45% • Copper / Cobre 30%

Nutrition Facts / Hechos de la Nutrición

Serving Size: 1 bottle (8 fl oz)
Tamaño de Porción: 1 botella (8 onzas líquidas)
Servings per container: 6 / Porciones por paquete: 6

Amount per serving / Cantidad por porción

Calories / Calorías 160

Calories from fat / Calorías de la grasa 60

Total Fat / Grasa Total 6 g

Saturated Fat / Grasa Saturada 2.5 g

Trans Fat / Trans Grasa 0 g

Cholesterol / Colesterol 5 mg

Sodium / Sodio 45 mg

Potassium / Potasio 300 mg

Total Carbohydrate/Carbohidratos Totales 20 g

Dietary Fiber / Fibra Dietética <1 g

Sugars / Azúcares 9 g

Protein / Proteína 6 g

% Daily Value / % del Valor Diario

Protein / Proteína 40% • Niacin / Niacina 35%

Vitamin / Vitamina A 20% • Vitamin / Vitamina B₆ 50%

Vitamin / Vitamina C 25% • Folic Acid / Acido Fólico 30%

Calcium / Calcio 30% • Biotin / Biotina 20%

Iron / Hierro 25% • Pantothenic Acid/Acido Pantoténico 25%

Vitamin / Vitamina D 40% • Phosphorous / Fósforo 25%

Vitamin / Vitamina E 25% • Magnesium / Magnesio 20%

Thiamin / Tiamina 45% • Zinc / Cinc 35%

Riboflavin / Riboflavina 45% • Copper / Cobre 30%



Enfamil® D-Vi-Sol®

Liquid Vitamin D Supplement

DESCRIPTION/INDICATION

Enfamil D-Vi-Sol Liquid Vitamin D Supplement is a supplement for exclusively or partially breastfed infants and toddlers.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil D-Vi-Sol provides 400 IU of vitamin D in one daily dose.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day[†].

Enfamil D-Vi-Sol does not contain ingredients derived from the most common food allergens: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil D-Vi-Sol Liquid Vitamin D Supplement increases the osmolality by +115 mOsm/kg water^{2*}. If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

* A previous formulation was evaluated.

PRODUCT FEATURES

- Delivers 100% of daily vitamin D as recommended by the AAP, an essential vitamin that helps your baby's body absorb calcium for strong bones and teeth[†]
- No artificial colors or flavors
- Enfamil® is the #1 vitamin drops brand recommended by pediatricians
- Refrigeration is not required
- Kosher

[†] This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

NUTRIENTS

Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin D, IU	400	100	100

PRODUCT FORM

Enfamil D-Vi-Sol Liquid Vitamin D Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 253.

Usual Daily Dose

Drops: 1.0 mL daily.

COMPOSITION

Ingredients: Glycerin, water, polysorbate 80 (emulsifier), citric acid (antioxidant for vitamin D), natural flavor, vitamin D₃, sodium citrate.

WARNING: As with medicines, keep out of the reach of children.

PRECAUTIONS: As with all vitamin products, parents should be cautioned against excessive dosage.

References

1. Wagner CL, Greer FR, et al. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Data on file, Mead Johnson Nutrition, September 2009.



Enfamil® Poly-Vi-Sol®

Liquid Multivitamin Supplement

DESCRIPTION/INDICATION

Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement is for infants around 4–6 months of age who are transitioning to solid foods and for toddlers.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Poly-Vi-Sol has 9 important vitamins in a convenient daily dose. It is an excellent supplement for a child when transitioning to solid foods, during growth spurts and for the picky eater. Enfamil Poly-Vi-Sol (without iron) is recommended for children who have sufficient iron in their diet or the possibility of too much.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Enfamil Poly-Vi-Sol does not contain ingredients derived from the most common food allergens: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Poly-Vi-Sol Liquid Multivitamin Supplement increases the osmolality by +160 mOsm/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

* A previous formulation was evaluated.

PRODUCT FEATURES

- One daily dose of Enfamil Poly-Vi-Sol has 9 vitamins and is fruit flavored
- Delivers 100% of daily vitamin D as recommended by the AAP, an essential vitamin that helps your baby's body absorb calcium for strong bones and teeth[†]
- Helps support a developing immune system[†]
- No artificial colors or flavors
- Enfamil® is the #1 vitamin drops brand recommended by pediatricians
- Refrigeration is not required
- Kosher

[†] This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

NUTRIENTS			
Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin E, IU	5	100	50
Vitamin C, mg	35	100	88
Thiamin, mg	0.5	100	71
Riboflavin, mg	0.6	100	75
Niacin, mg	8	100	89
Vitamin B ₆ , mg	0.4	100	57
Vitamin B ₁₂ , mcg	2	100	67

PRODUCT FORM

Enfamil® Poly-Vi-Sol® Liquid Multivitamin Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 254.

Usual Daily Dose

Drops: 1.0 mL.

COMPOSITION

Ingredients: Glycerin, water, ascorbic acid, vitamin E succinate, polysorbate 80 (emulsifier), niacinamide, natural flavor, ferrous sulfate, riboflavin-5-phosphate sodium, thiamin hydrochloride, vitamin A palmitate, vitamin D₃, vitamin B₆ hydrochloride, sulfuric acid (antioxidant for iron), vitamin B₁₂, sulfites.

WARNING: As with medicines, keep out of the reach of children.

PRECAUTIONS: As with all vitamin products, parents should be cautioned against excessive dosage.

References

1. Wagner CL, Greer FR, et al. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Data on file, Mead Johnson Nutrition, September 2009.



Enfamil® Poly-Vi-Sol® with Iron

Liquid Multivitamin Supplement

DESCRIPTION/INDICATION

Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement is recommended for infants around 4–6 months of age who are transitioning to solid foods and for toddlers.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Poly-Vi-Sol with Iron has 8 important vitamins and iron in a convenient daily dose and is an excellent supplement for a child's transition to solid foods, during growth spurts and for the picky eater. Infants may especially require supplemental iron, as around 4–6 months of age, infants begin to lose their iron stores that they have accreted during the third trimester of pregnancy.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Enfamil Poly-Vi-Sol with Iron does not contain ingredients derived from the most common food allergens: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement does not include vitamin B₁₂ since it is unstable in a solution that has the concentrations of iron and vitamin C found in Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Poly-Vi-Sol with Iron Liquid Multivitamin Supplement increases the osmolality by +160 mOsm/kg water². If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

* A previous formulation was evaluated.

PRODUCT FEATURES

- One daily dose of Enfamil Poly-Vi-Sol with Iron has 8 vitamins and iron and is fruit-flavored
- Delivers 100% of daily vitamin D as recommended by the AAP, an essential vitamin that helps your baby's body absorb calcium for strong bones and teeth[†]

NUTRIENTS			
Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin E, IU	5	100	50
Vitamin C, mg	35	100	88
Thiamin, mg	0.5	100	71
Riboflavin, mg	0.6	100	75
Niacin, mg	8	100	89
Vitamin B ₆ , mg	0.4	100	57
Iron, mg	10	67	100

- Helps support a developing immune system[†]
- No artificial colors or flavors
- Enfamil® is the #1 vitamin drops brand recommended by pediatricians
- Refrigeration is not required
- Kosher

[†] This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

PRODUCT FORM

Enfamil® Poly-Vi-Sol® with Iron Liquid Multivitamin Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 254.

Usual Daily Dose

Drops: 1.0 mL.

COMPOSITION

Ingredients: Glycerin, water, ascorbic acid, ferrous sulfate, vitamin E succinate, polysorbate 80 (emulsifier), niacinamide, natural flavor, riboflavin-5-phosphate sodium, thiamin hydrochloride, vitamin A palmitate, vitamin D₃, vitamin B₆ hydrochloride, sulfuric acid (antioxidant for iron), sulfites.

ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, poison control center or hospital emergency should be notified immediately. **Patients with a known exposure of more than 40 mg/kg of elemental iron, or with severe, persistent symptoms related to iron ingestion, should be referred to a healthcare facility for medical evaluation and observation.** The vitamin ingredients would not be expected to cause ill effects from a one-time overdose.

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of the reach of children. In case of accidental overdose, call a doctor or poison control center immediately.

PRECAUTIONS: As with all vitamin products, parents should be cautioned against excessive dosage.

While taking liquid multivitamin supplements with iron, a slight darkening of the teeth may occur. Brushing will minimize this temporary condition.

References

1. Wagner CL, Greer FR, et al. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Data on file, Mead Johnson Nutrition, September 2009.

Notes



Enfamil® Tri-Vi-Sol®

Liquid Vitamins A, C & D Supplement

DESCRIPTION/INDICATION

Enfamil Tri-Vi-Sol Liquid Vitamins A, C & D Supplement is for exclusively or partially breastfed infants and toddlers.

RATIONALE AND SPECIAL CHARACTERISTICS

Enfamil Tri-Vi-Sol has 3 frequently recommended vitamins in amounts that are suitable for daily administration to infants in a convenient daily dose. Vitamins A, C and D are important for supporting growth and immune system development.

The American Academy of Pediatrics (AAP) recommends 400 IU of supplemental vitamin D per day beginning in the first days of life for all breastfed and partially breastfed infants who do not receive at least 1 L of infant formula per day¹.

Most breastfed babies require a vitamin D supplement such as Enfamil® D-Vi-Sol® Liquid Vitamin D Supplement. However, there may be certain maternal conditions that warrant additional vitamins such as vitamin A.

Enfamil Tri-Vi-Sol does not contain ingredients derived from the most common food allergens: milk, eggs, peanuts, tree nuts, fish, shellfish, soy or wheat.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Tri-Vi-Sol Liquid Vitamins A, C & D Supplement increases the osmolality by +115 mOsm/kg water^{2*}. If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

* A previous formulation was evaluated.

PRODUCT FEATURES

- Delivers 100% of daily vitamin D as recommended by the AAP, an essential vitamin that helps your baby's body absorb calcium for strong bones and teeth[†]
- Vitamin A helps keep skin, vision and mucous membranes healthy[†]
- Vitamin C promotes healthy connective tissue development[†]
- No artificial colors or flavors
- Enfamil® is the #1 vitamin drops brand recommended by pediatricians
- Refrigeration is not required
- Kosher

† This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

NUTRIENTS			
Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Vitamin A, IU	750	50	30
Vitamin D, IU	400	100	100
Vitamin C, mg	35	100	88

PRODUCT FORM

Enfamil® Tri-Vi-Sol® Liquid Vitamins A, C & D Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 255.

Usual Daily Dose

Drops: 1.0 mL.

COMPOSITION

Ingredients: Glycerin, water, polysorbate 80 (emulsifier), ascorbic acid, sodium hydroxide, vitamin A palmitate, natural flavor, vitamin D₃.

WARNING: As with medicines, keep out of the reach of children.

PRECAUTIONS: As with all vitamin products, parents should be cautioned against excessive dosage.

References

1. Wagner CL, Greer FR, et al. Prevention of rickets and vitamin D deficiency in infants, children, and adolescents. *Pediatrics*. 2008;122:1142-1152.
2. Data on file, Mead Johnson Nutrition, September 2009.



Enfamil® Fer-In-Sol®

Liquid Iron Supplement

DESCRIPTION/INDICATION

Enfamil Fer-In-Sol Liquid Iron Supplement is for the supplemental iron needs of infants and children. Infants who may especially require supplemental iron include infants of anemic mothers^{1,2}, low-birth-weight infants^{1,3,4} and infants of mothers with poorly controlled diabetes⁴.

OSMOLALITY

When added to 2 fl oz of infant formula or breast milk, 1 mL of Enfamil Fer-In-Sol Liquid Iron Supplement increases the osmolality by +55 mOsm/kg water⁵. If the resulting osmolality is higher than desired for a particular baby, an option is to add 0.5 mL of the supplement to the feeding twice per day.

* A previous formulation was evaluated.

SIDE EFFECTS

Temporary discoloration of the teeth due to liquid iron supplements can be minimized by thorough brushing. While taking iron, stools may appear darker in color. This is normal and no cause for concern.

PRODUCT FEATURES

- 1 mL = 15 mg of elemental iron
- Has the recommended daily amount of iron for infants and toddlers
- Enfamil® is the #1 vitamin drops brand recommended by pediatricians
- Kosher (Note: the alcohol in Enfamil Fer-In-Sol is not approved for Passover)

PRODUCT FORM

Enfamil Fer-In-Sol Liquid Iron Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 253.

Usual Daily Dose

Drops: 1.0 mL or as prescribed.

COMPOSITION

Ingredients: Water, sugar, sorbitol, ferrous sulfate, citric acid (antioxidant for iron), alcohol (0.2% v/v), sodium bisulfite (preservative), natural flavors.

NUTRIENTS

Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Iron, mg	15	100	150

ACCIDENTAL OVERDOSAGE OR INTAKE

In case of accidental overdose, the physician, poison control center or hospital emergency should be notified immediately. **Patients with a known exposure of more than 40 mg/kg of elemental iron, or with severe, persistent symptoms related to iron ingestion, should be referred to a healthcare facility for medical evaluation and observation⁶.**

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. Keep this product out of the reach of children. In case of accidental overdose, call a doctor or poison control center immediately.

PRECAUTIONS: As with all vitamin products, parents should be cautioned against excessive dosage.

Enfamil Fer-In-Sol varies in color from colorless to bluish-green to amber. Any color within this range is normal and does not affect the potency of the product.

References

1. Gartner LM, Morton J, Lawrence RA, et al. Breastfeeding and the use of human milk. *Pediatrics*. 2005;115:496-506.
2. Institute of Medicine. *Dietary Reference Intakes for Vitamin A, Vitamin K, Arsenic, Boron, Chromium, Copper, Iodine, Iron, Manganese, Molybdenum, Nickel, Silicon, Vanadium, and Zinc*. Washington, DC: National Academy Press; 2001.
3. American Academy of Pediatrics, Committee on Nutrition. Kleinman RE, ed. *Pediatric Nutrition*. 7th ed. Elk Grove Village, Ill: AAP;2014.
4. American Academy of Pediatrics, Committee on Nutrition. Iron fortification of infant formulas. *Pediatrics*. 1999;104:119-123.
5. Data on file, Mead Johnson Nutrition, September 2009.
6. Manoguerra AS, Erdman AR, Booze LL, et al. Iron ingestion: an evidence-based consensus guideline for out-of-hospital management. *Clin Toxicol (Phila)*. 2005;43:553-570.



Enfamil® Expecta®

Prenatal Dietary Supplement

DESCRIPTION/INDICATION

Enfamil Expecta Prenatal Dietary Supplement is a complete multivitamin/mineral and DHA dietary supplement tailored to help meet the nutritional needs of pregnant and breastfeeding women. The patient should consult her doctor before taking any supplement. Docosahexaenoic acid (DHA) is an omega-3 fatty acid that is an important structural element of the brain and retina[†]. DHA is a component important for baby's brain and eye development[†].

PRODUCT FEATURES

- A complete prenatal multivitamin/mineral and DHA supplement
- Choline:
 - Helps support baby's brain development^{*}
 - Helps meet the increased requirement for choline during pregnancy and lactation
 - Choline is a nutrient most prenatal supplements lack
- DHA:
 - 200 mg DHA/softgel
 - Expert-recommended DHA to help support brain and eye development^{*,†}
 - Non-fish source of DHA, mercury-free with an added hint of lemon for digestive comfort
- Vitamin D:
 - 50% higher level of vitamin D (600 IU) vs. the leading brand (400 IU)
- Folic acid:
 - Provides 100% recommended daily value for folic acid
 - Helps support brain development and central nervous system development^{*}

* These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

† The effects of DHA on infant brain and eye development have been studied using a range of methods and different sources of DHA including fish oils and DHA derived from algae (which is the source used in Expecta). The chemical structure of DHA is the same, regardless of which of these sources is used. For more information, consult your physician.

SUPPLEMENT FACTS		SOFTGEL
Serving Size 1 softgel	Amount Per Serving	% DV
Calories	5	—
Total fat, g	0.5	1% [‡]
DHA [§] , mg	200	§

[‡] Percent daily values are based on a 2000 calorie diet.
[§] Daily value not established.

SUPPLEMENT FACTS		MULTIVITAMIN AND MINERAL TABLET
Serving Size 1 tablet	Amount Per Serving	% DV
Vitamin A (50% as beta-carotene, 50% vitamin A acetate), IU	4000	50%
Vitamin C (as ascorbic acid), mg	60	100%
Vitamin D (as D ₃ cholecalciferol), IU	600	150%
Vitamin E (as vitamin E acetate), IU	30	100%
Thiamin (as thiamin mononitrate), mg	1.7	100%
Riboflavin, mg	2	100%
Niacin (as niacinamide), mg	20	100%
Vitamin B ₆ (as pyridoxine hydrochloride), mg	2.5	100%
Folic Acid, mcg	800	100%
Vitamin B ₁₂ , mcg	8	100%
Biotin, mcg	300	100%
Pantothenic Acid (as calcium pantothenate), mg	10	100%
Calcium (as calcium carbonate), mg	300	23%
Iron (as ferrous fumarate), mg	28	156%
Iodine (as potassium iodide), mcg	150	100%
Magnesium (as magnesium oxide), mg	50	11%
Zinc (as zinc oxide), mg	15	100%
Copper (as cupric sulfate), mg	2	100%
Choline (as choline bitartrate), mg	55	§

[§] Daily value not established.
^{||} Percent daily value for pregnant/lactating women.

PRODUCT FORM

Enfamil® Expecta® Prenatal Dietary Supplement is available in a carton pack with 30 DHA softgel and 30 multivitamin and mineral tablets. For ordering information, please refer to page 253.

COMPOSITION

Ingredients: As noted in supplement facts.

Other Ingredients: Softgel: Gelatin, glycerin, high oleic sunflower oil, water, lemon oil, soy lecithin, rosemary extract, colors (carmine and turmeric), ascorbyl palmitate (antioxidant), and mixed natural tocopherols (antioxidant).

Other Ingredients: Multivitamin and Mineral Tablet: Microcrystalline cellulose, partially hydrolyzed polyvinyl alcohol, titanium dioxide, polyethylene glycol, magnesium stearate, hydroxypropyl methylcellulose, croscarmellose sodium, fish gelatin (vitamin E emulsifier derived from cod, pollack, haddock, hake, cusk, redfish, sole & flounder), mono & diglycerides, talc, beef gelatin, ethyl cellulose, yellow 6 lake, antioxidants (sodium ascorbate, dL-alpha-tocopherol, citric acid), BHT (a preservative). May contain shrimp.

WARNING: Accidental overdose of iron-containing products is a leading cause of fatal poisoning in children under 6. **KEEP THIS PRODUCT OUT OF REACH OF CHILDREN.** In case of accidental overdose, call a doctor or poison control center immediately



Metabolic Formulas



BCAD 1

DESCRIPTION/INDICATION

BCAD 1 is an iron-fortified infant formula and medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine for the dietary management of infants and toddlers with documented maple syrup urine disease (MSUD). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Isoleucine-, leucine-, valine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

BCAD 1 is available in powder. For ordering information, please refer to page 252.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein, 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, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [†]	16.2	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	51	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorus, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	600
Pantothenic acid, mcg	3800	Chloride, mg	500

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	13	Potential Renal Solute Load (mOsm/100 g powder) [§]	147
Fat (% Calories)	47	Osmolality (mOsm/kg water) [§]	330
Carbohydrate (% Calories)	40	Osmolarity (mOsm/L) [§]	300

‡ WARNING: This protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.

§ Determined at 20 Cal/fl oz dilution.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, leucine and valine to support growth using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of BCAD 1 with other foods and liquids and adjust the diet based on frequent blood tests.

CAUTION: Mead Johnson Nutrition BCAD 1 is to be used only in the dietary management of infants and young children with documented maple syrup urine disease while under direct and continuing medical supervision.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline.* Washington, DC: National Academies Press; 1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev.* 2009;67: 615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr.* 1999;134:11-14.

Notes



BCAD 2

DESCRIPTION/INDICATION

BCAD 2 is an iron-fortified medical food powder that is free of the branched chain amino acids isoleucine, leucine and valine for the dietary management of children and adults with documented maple syrup urine disease (MSUD). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Isoleucine-, leucine-, valine-free
- 24 g protein equivalent/100 g powder
- Higher level of protein equivalent than found in BCAD 1
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults
- Halal

PRODUCT FORM

BCAD 2 is available in powder. For ordering information, please refer to page 252.

COMPOSITION

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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, biotin, sodium selenite, vitamin K₁, ethyl vanillin.

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.

CAUTION: Mead Johnson Nutrition 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: Not for parenteral (I.V.) use.

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	410	Vitamin C (Ascorbic acid), mg	57
Protein equivalent, g*	24	Choline, mg	98
Fat, g	8.5	Inositol, mg	57
Linoleic acid, mg	4200	Minerals	
Carbohydrate, g	57	Calcium, mg	730
Vitamins/Other Nutrients		Phosphorous, mg	730
Vitamin A, IU	1730	Magnesium, mg	163
Vitamin D, IU	350	Iron, mg	12.2
Vitamin E, IU	11.4	Zinc, mg	12.2
Vitamin K, mcg	47	Manganese, mcg	1300
Thiamin (Vitamin B ₁), mcg	1420	Copper, mcg	1220
Riboflavin (Vitamin B ₂), mcg	1140	Iodine, mcg	63
Vitamin B ₆ , mcg	1140	Selenium, mcg	28
Vitamin B ₁₂ , mcg	2.8	Chromium, mcg	37
Niacin, mcg	26000	Molybdenum, mcg	37
Folic acid (Folacin), mcg	410	Sodium, mg	610
Pantothenic acid, mcg	5700	Potassium, mg	1220
Biotin, mcg	57	Chloride, mg	1020

NUTRIENT FACTS

Protein Equivalent (% Calories)*	24	Carbohydrate (% Calories)	57
Fat (% Calories)	19	Lactose-free	Suitable for someone with lactose intolerance

* WARNING: This protein is incomplete since it does not contain the essential amino acids isoleucine, leucine and valine.



GA

DESCRIPTION/INDICATION

GA is an iron-fortified infant formula and medical food powder that is free of the essential amino acids lysine and tryptophan for infants, children and adults with documented glutaric acidemia type 1. The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Lysine- and tryptophan-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

GA is available in powder. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-leucine, potassium aspartate, L-proline, L-valine, L-isoleucine, L-arginine, glycine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-methionine, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, potassium chloride, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [‡]	15.1	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	52	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorous, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	800
Pantothenic acid, mcg	3800	Chloride, mg	330

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	12	Osmolality (mOsm/kg water) [§]	370
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	330
Carbohydrate (% Calories)	41	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	140		

‡ WARNING: This protein is incomplete since it does not contain the essential amino acids lysine and tryptophan.

§ Determined at 20 Cal/fl oz dilution.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough lysine and tryptophan to support growth using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of GA with other foods and liquids and adjust the diet based on frequent blood tests.

CAUTION: Mead Johnson Nutrition GA is to be used only in the dietary management of infants, children, and adults with documented glutaric acidemia type 1 while under direct and continuing medical supervision.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academies Press;1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67:615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



HCY 1

DESCRIPTION/INDICATION

HCY 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acid methionine for infants and toddlers with documented homocystinuria. The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Methionine-free
- Added cystine
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent

- Mixes easily and stays in suspension well
- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

HCY 1 is available in powder. For ordering information, please refer to page 255.

COMPOSITION

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-isoleucine, L-alanine, L-arginine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-cystine, glycine, L-histidine, L-tryptophan), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder	Per 100 grams Powder
Calories	500	Biotin, mcg
Protein equivalent, g [†]	16.2	Vitamin C (Ascorbic acid), mg
Fat, g	26	Choline, mg
Linoleic acid, mg	4000	Inositol, mg
Carbohydrate, g	51	Minerals
Vitamins/Other Nutrients		Calcium, mg
Vitamin A, IU	1520	Phosphorus, mg
Vitamin D, IU	380	Magnesium, mg
Vitamin E, IU	10	Iron, mg
Vitamin K, mcg	40	Zinc, mg
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg
Vitamin B ₆ , mcg	1000	Iodine, mcg
Vitamin B ₁₂ , mcg	2	Selenium, mcg
Niacin, mcg	10000	Sodium, mg
Folic acid (Folacin), mcg	100	Potassium, mg
Pantothenic acid, mcg	3800	Chloride, mg

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	13	Osmolality (mOsm/kg water) [§]	350
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	320
Carbohydrate (% Calories)	40	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	144		

‡ WARNING: Protein is incomplete since it does not contain the essential amino acid methionine.

§ Determined at 20 Cal/fl oz dilution.

CAUTION: Mead Johnson Nutrition HCY 1 is to be used only in the dietary management of infants and young children with documented homocystinuria while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough methionine to support growth using other foods with this amino acid as required. Medical professionals must carefully and constantly supervise use of HCY 1 with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

- 1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academies Press;1998:390-422.
- 2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67:615-623.
- 3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



HCY 2

DESCRIPTION/INDICATION

HCY 2 is a medical food powder that is free of the essential amino acid methionine for children and adults with documented homocystinuria. The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Methionine-free
- Cystine level is similar to the sum of cystine and methionine found in cow's milk
- 22 g protein equivalent/100 g powder
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults
- Halal

PRODUCT FORM

HCY 2 is available in powder. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-glutamine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-valine, L-isoleucine, L-alanine, L-arginine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-cystine, glycine, L-histidine, L-tryptophan), 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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium selenite, sodium iodide, biotin, vitamin K₁, ethyl vanillin.

CAUTION: Mead Johnson Nutrition HCY 2 is to be used only in the dietary management of children and adults with documented homocystinuria while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. HCY 2 must be supplemented using other food sources of protein and fluid to provide enough methionine to support dietary requirements of children and adults.

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

NUTRIENTS	Product nutrient values and ingredients are subject to change. Please see product label for current information.		
	Per 100 grams Powder	Per 100 grams Powder	
Calories	410	Vitamin C (Ascorbic acid), mg	57
Protein equivalent, g [*]	22	Choline, mg	98
Fat, g	8.5	Inositol, mg	57
Linoleic acid, mg	4200	Minerals	
Carbohydrate, g	61	Calcium, mg	730
Vitamins/Other Nutrients		Phosphorus, mg	730
Vitamin A, IU	1730	Magnesium, mg	163
Vitamin D, IU	350	Iron, mg	13.8
Vitamin E, IU	12.2	Zinc, mg	13.8
Vitamin K, mcg	47	Manganese, mcg	1500
Thiamin (Vitamin B ₁), mcg	1430	Copper, mcg	1430
Riboflavin (Vitamin B ₂), mcg	1140	Iodine, mcg	63
Vitamin B ₆ , mcg	1140	Selenium, mcg	33
Vitamin B ₁₂ , mcg	2.9	Chromium, mcg	45
Niacin, mcg	26000	Molybdenum, mcg	45
Folic acid (Folacin), mcg	410	Sodium, mg	590
Pantothenic acid, mcg	5700	Potassium, mg	1100
Biotin, mcg	57	Chloride, mg	960
Vitamin C (Ascorbic acid), mg	57		

NUTRIENT FACTS

Protein Equivalent (% Calories) [*]	22	Carbohydrate (% Calories)	59
Fat (% Calories)	19	Lactose-free	Suitable for someone with lactose intolerance

^{*} WARNING: Protein is incomplete since it does not contain the essential amino acid methionine.



LMD

DESCRIPTION/INDICATION

LMD is an iron-fortified infant formula and medical food powder that is free of the essential amino acid leucine for infants, children and adults with documented leucine metabolism disorders, including isovaleric acidemia. The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Leucine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

LMD is available in powder. For ordering information, please refer to page 255.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-threonine, L-phenylalanine, L-tyrosine, L-serine, L-valine, L-isoleucine, L-histidine, L-methionine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [†]	16.2	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	51	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorous, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	580
Pantothenic acid, mcg	3800	Chloride, mg	480

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	13	Osmolality (mOsm/kg water)	370
Fat (% Calories)	47	Osmolarity (mOsm/L)	330
Carbohydrate (% Calories)	40	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	145		

‡ WARNING: Protein is incomplete since it does not contain the essential amino acid leucine.



OA 1

DESCRIPTION/INDICATION

OA 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for infants and toddlers with documented propionic or methylmalonic acidemia (organic acidemias). The product provides the other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Isoleucine-, methionine-, threonine- and valine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

OA 1 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), amino acids (L-alanine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-tryptophan, L-cystine), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil*, *Cryptocodinium cohnii* oil†, ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [‡]	15.7	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	51	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorus, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	560
Pantothenic acid, mcg	3800	Chloride, mg	480

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	12	Osmolality (mOsm/kg water) [§]	370
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	330
Carbohydrate (% Calories)	41	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	142		

[‡] WARNING: Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.

[§] Determined at 20 Cal/fl oz dilution.

CAUTION: Mead Johnson Nutrition OA 1 is to be used only in the dietary management of infants and young children with documented propionic and methylmalonic acidemias while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough isoleucine, methionine, threonine and valine to support growth using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of OA 1 with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press;1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67: 615–623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11–14.

Notes



OA 2

DESCRIPTION/INDICATION

OA 2 is a medical food powder that is free of the essential amino acids isoleucine, methionine, threonine and valine for children and adults with documented propionic or methylmalonic acidemia (organic acidemia). The product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Isoleucine-, methionine-, threonine- and valine-free
- Provides protein, linoleic and linolenic acid, and vitamins and minerals not available from low-protein foods while supplying fewer calories than OA 1
- The protein source is a mixture of L-amino acids optimized for blandness, free of isoleucine, methionine, threonine and valine
- 21 g protein equivalent/100 g powder
- Fat comprises approximately 20% of total Calories (9 g/100 g powder)
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Halal

PRODUCT FORM

OA 2 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, sugar, amino acids (L-alanine, L-leucine, L-lysine hydrochloride, potassium aspartate, L-proline, L-arginine, glycine, L-phenylalanine, L-tyrosine, L-serine, L-histidine, L-tryptophan, L-cystine), 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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

CAUTION: Mead Johnson Nutrition OA 2 is to be used only in the dietary management of children and adults with documented propionic acidemia and methylmalonic acidemia while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. OA 2 must be supplemented using other food sources of protein and fluid to provide enough isoleucine, methionine, threonine and valine to support dietary requirements of children and adults.

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

NUTRIENTS

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

	Per 100 grams Powder	Per 100 grams Powder
Calories	410	Vitamin C (Ascorbic acid), mg
Protein equivalent, g*	21	49
Fat, g	9	Choline, mg
Linoleic acid, mg	4400	102
Carbohydrate, g	59	Inositol, mg
		49
		Minerals
Vitamins/Other Nutrients		Calcium, mg
Vitamin A, IU	1430	760
Vitamin D, IU	290	Phosphorous, mg
Vitamin E, IU	10.3	760
Vitamin K, mcg	41	Magnesium, mg
Thiamin (Vitamin B ₁), mcg	1200	177
Riboflavin (Vitamin B ₂), mcg	980	Iron, mg
Vitamin B ₆ , mcg	980	12.3
Vitamin B ₁₂ , mcg	2.4	Zinc, mg
Niacin, mcg	22000	12.3
Folic acid (Folacin), mcg	350	Manganese, mcg
Pantothenic acid, mcg	4800	1350
Biotin, mcg	49	Copper, mcg
		1220
		Iodine, mcg
		66
		Selenium, mcg
		27
		Chromium, mcg
		37
		Molybdenum, mcg
		37
		Sodium, mg
		610
		Potassium, mg
		1160
		Chloride, mg
		1060

NUTRIENT FACTS

Protein Equivalent (% Calories)*	21	Carbohydrate (% Calories)	59
Fat (% Calories)	20	Lactose-free	Suitable for someone with lactose intolerance

* WARNING: Protein is incomplete since it does not contain the essential amino acids isoleucine, methionine, threonine and valine.



PFD Toddler

DESCRIPTION/INDICATION

PFD Toddler is a protein- and amino acid-free product* designed with carbohydrates, vitamins and minerals as well as the essential fatty acids for young children with various documented amino acid metabolic disorders. This product is for persons requiring a protein-free diet. PFD Toddler can be used as a dietary supplement supplying calories, vitamins and minerals, or specific amounts of amino acids or protein can be added to make a complete beverage. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Protein- and amino acid-free
- Increased levels of B vitamins for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well
- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}

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

PRODUCT FORM

PFD Toddler is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), modified corn starch, sugar, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[‡], ethyl vanillin, sodium citrate, potassium chloride, potassium citrate, magnesium oxide, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

[†] A source of arachidonic acid (ARA).

[‡] A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder	Per 100 grams Powder
Calories	530	Biotin, mcg
Protein equivalent, g [§]	0	Vitamin C (Ascorbic acid), mg
Fat, g	32	Choline, mg
Linoleic acid, mg	4900	Inositol, mg
Carbohydrate, g	60	Minerals
Vitamins/Other Nutrients		Calcium, mg
Vitamin A, IU	1840	Phosphorus, mg
Vitamin D, IU	450	Magnesium, mg
Vitamin E, IU	13.2	Iron, mg
Vitamin K, mcg	53	Zinc, mg
Thiamin (Vitamin B ₁), mcg	1320	Manganese, mcg
Riboflavin (Vitamin B ₂), mcg	1210	Copper, mcg
Vitamin B ₆ , mcg	1210	Iodine, mcg
Vitamin B ₁₂ , mcg	2.6	Selenium, mcg
Niacin, mcg	12100	Sodium, mg
Folic acid (Folacin), mcg	132	Potassium, mg
Pantothenic acid, mcg	4600	Chloride, mg

NUTRIENT FACTS

Protein Equivalent (% Calories) [§]	0	Osmolality (mOsm/kg water)	171
Fat (% Calories)	54	Osmolality (mOsm/L)	154
Carbohydrate (% Calories)	46	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	62		

[§] This product is nutritionally incomplete since it does not contain any protein or amino acids.

^{||} Determined at 20 Cal/fl oz dilution.

CAUTION: Mead Johnson Nutrition PFD Toddler is to be used only in the dietary management of young children with documented amino acid metabolic disorders while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough protein and amino acids to support growth using other foods with protein as required. Medical professionals must carefully and constantly supervise use of PFD Toddler with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary Reference Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press; 1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67:615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



PFD 2

DESCRIPTION/INDICATION

PFD 2 is a protein- and amino acid-free product* designed to help meet the calorie, vitamin, mineral and essential fatty acid needs of children and adults with documented amino acid metabolic disorders. PFD 2 can be mixed with condition-specific amino acids or protein to make a nutritionally complete beverage, or it can be used as a calorie, vitamin and mineral supplement when amino acid and protein requirements are met but needs for calories, vitamins and minerals are not. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Protein- and amino acid-free
- Suitable for someone with lactose intolerance
- Provides essential fatty acids
- Convenient to use for preparing individualized protein-restricted diets
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Halal

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

PRODUCT FORM

PFD 2 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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 B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, vitamin B₁₂, ethyl vanillin.

CAUTION: Mead Johnson Nutrition 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.

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

NUTRIENTS

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

	Per 100 grams Powder	Per 100 grams Powder
Calories	400	Vitamin C (Ascorbic acid), mg
Protein equivalent, g [†]	0	26
Fat, g	4.8	Choline, mg
Linoleic acid, mg	2300	51
Carbohydrate, g	88	Inositol, mg
		26
		Minerals
Vitamins/Other Nutrients		Calcium, mg
Vitamin A, IU	790	400
Vitamin D, IU	154	Phosphorous, mg
Vitamin E, IU	5.1	400
Vitamin K, mcg	22	Magnesium, mg
Thiamin (Vitamin B ₁), mcg	630	91
Riboflavin (Vitamin B ₂), mcg	510	Iron, mg
Vitamin B ₆ , mcg	510	6.3
Vitamin B ₁₂ , mcg	1.19	Zinc, mg
Niacin, mcg	11500	6.3
Folic acid (Folacin), mcg	178	Manganese, mcg
Pantothenic acid, mcg	2600	690
Biotin, mcg	26	Copper, mcg
		630
		Iodine, mcg
		35
		Selenium, mcg
		14.2
		Chromium, mcg
		20
		Molybdenum, mcg
		20
		Sodium, mg
		360
		Potassium, mg
		340
		Chloride, mg
		320

NUTRIENT FACTS

Protein Equivalent (% Calories) [†]	0	Carbohydrate (% Calories)	89
Fat (% Calories)	11	Lactose-free	Suitable for someone with lactose intolerance

[†] WARNING: This product is nutritionally incomplete since it does not contain any protein or amino acids.



Phenyl-Free® 1

DESCRIPTION/INDICATION

Phenyl-Free 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acid phenylalanine for infants and toddlers with documented phenylketonuria (PKU). This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Phenylalanine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirement per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

Phenyl-Free 1 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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, calcium phosphate and less than 1%: *Mortierella alpina* oil[†], *Cryptocodium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [‡]	16.2	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	51	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorous, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	560
Pantothenic acid, mcg	3800	Chloride, mg	430

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	13	Osmolality (mOsm/kg water) [§]	350
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	320
Carbohydrate (% Calories)	40	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	144		

‡ WARNING: Protein is incomplete since it does not contain the essential amino acid phenylalanine.

§ Determined at 20 Cal/fl oz dilution.

CAUTION: Mead Johnson Nutrition Phenyl-Free® 1 is to be used only in the dietary management of infants and young children with documented phenylketonuria while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine to support growth using other foods with this amino acid as required. Medical professionals must carefully and constantly supervise use of Phenyl-Free 1 with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B6, Folate, Vitamin B12, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academies Press; 1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67: 615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



Phenyl-Free® 2

DESCRIPTION/INDICATION

Phenyl-Free 2 is a medical food powder that is free of the essential amino acid phenylalanine for children and adults with documented phenylketonuria (PKU). It provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Phenyl-Free 2 has less fat and fewer total calories than Phenyl-Free® 1. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine-free
- 22 g protein equivalent/100 g powder
- Higher level of protein equivalent than found in Phenyl-Free 1
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Halal

PRODUCT FORM

Phenyl-Free 2 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

CAUTION: Mead Johnson Nutrition 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.

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

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	410	Vitamin C (Ascorbic acid), mg	49
Protein equivalent, g*	22	Choline, mg	98
Fat, g	8.6	Inositol, mg	49
Linoleic acid, mg	4200	Minerals	
Carbohydrate, g	60	Calcium, mg	730
Vitamins		Phosphorous, mg	730
Vitamin A, IU	1430	Magnesium, mg	163
Vitamin D, IU	290	Iron, mg	12.2
Vitamin E, IU	9.8	Zinc, mg	12.2
Vitamin K, mcg	41	Manganese, mcg	1310
Thiamin (Vitamin B ₁), mcg	1220	Copper, mcg	1220
Riboflavin (Vitamin B ₂), mcg	980	Iodine, mcg	63
Vitamin B ₆ , mcg	980	Selenium, mcg	29
Vitamin B ₁₂ , mcg	2.4	Chromium, mcg	37
Niacin, mcg	22000	Molybdenum, mcg	37
Folic acid (Folacin), mcg	350	Sodium, mg	610
Pantothenic acid, mcg	4900	Potassium, mg	1100
Biotin, mcg	49	Chloride, mg	860

NUTRIENT FACTS

Protein Equivalent (% Calories)*	22	Carbohydrate (% Calories)	59
Fat (% Calories)	19	Lactose-free	Suitable for someone with lactose intolerance

* WARNING: Protein is incomplete since it does not contain the essential amino acid phenylalanine.



Phenyl-Free® 2 HP

DESCRIPTION/INDICATION

Phenyl-Free 2 HP is a high-protein medical food powder that is free of the essential amino acid phenylalanine for children and adults with documented phenylketonuria (PKU). It provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Phenyl-Free 2 HP is appropriate for women with maternal PKU or for children and adults who require fewer calories than provided by Phenyl-Free® 2. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine-free
- 40 g protein equivalent/100 g powder
- Higher level of protein equivalent than found in Phenyl-Free 2
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Higher levels of most vitamins and minerals than found in Phenyl-Free 2
- Halal

PRODUCT FORM

Phenyl-Free 2 HP is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium selenite, biotin, vitamin K₁, sodium iodide, ethyl vanillin.

CAUTION: Mead Johnson Nutrition 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.

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

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	390	Vitamin C (Ascorbic acid), mg	63
Protein equivalent, g [*]	40	Choline, mg	67
Fat, g	6.3	Inositol, mg	63
Linoleic acid, mg	3000	Minerals	
Carbohydrate, g	44	Calcium, mg	980
Vitamins/Other Nutrients		Phosphorous, mg	980
Vitamin A, IU	2000	Magnesium, mg	290
Vitamin D, IU	390	Iron, mg	15.7
Vitamin E, IU	11.8	Zinc, mg	15.7
Vitamin K, mcg	51	Manganese, mcg	1570
Thiamin (Vitamin B ₁), mcg	1570	Copper, mcg	1570
Riboflavin (Vitamin B ₂), mcg	1290	Iodine, mcg	50
Vitamin B ₆ , mcg	1290	Selenium, mcg	36
Vitamin B ₁₂ , mcg	3.1	Chromium, mcg	51
Niacin, mcg	29000	Molybdenum, mcg	51
Folic acid (Folacin), mcg	470	Sodium, mg	410
Pantothenic acid, mcg	6300	Potassium, mg	1180
Biotin, mcg	63	Chloride, mg	980

NUTRIENT FACTS

Protein Equivalent (% Calories) [*]	41	Carbohydrate (% Calories)	44
Fat (% Calories)	15	Lactose-free	Suitable for someone with lactose intolerance

* WARNING: Protein is incomplete since it does not contain the essential amino acid phenylalanine.

Note: Due to the higher levels of amino acids in Phenyl-Free 2 HP, the taste of amino acids is more prevalent in this product than it is in Phenyl-Free 2.



TYROS 1

DESCRIPTION/INDICATION

TYROS 1 is an iron-fortified infant formula and medical food powder that is free of the essential amino acids phenylalanine and tyrosine for infants and toddlers with documented tyrosinemia. This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Phenylalanine- and tyrosine-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

TYROS 1 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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 and less than 1%: *Mortierella alpina* oil[†], *Cryptocodinium cohnii* oil[†], ethyl vanillin, sodium citrate, potassium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [‡]	16.7	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	51	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorus, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	610
Pantothenic acid, mcg	3800	Chloride, mg	430

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	13	Osmolality (mOsm/kg water) [§]	360
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	320
Carbohydrate (% Calories)	40	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [‡]	148		

[‡] WARNING: Protein is incomplete since it does not contain the essential amino acids phenylalanine and tyrosine.

[§] Determined at 20 Cal/fl oz dilution.

CAUTION: Mead Johnson Nutrition TYROS 1 is to be used only in the dietary management of infants and young children with documented tyrosinemia while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough phenylalanine and tyrosine to support growth using other foods with these amino acids as required. Medical professionals must carefully and constantly supervise use of TYROS 1 with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary Reference Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academies Press;1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67: 615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



TYROS 2

DESCRIPTION/INDICATION

TYROS 2 is an iron-fortified medical food powder that is free of the essential amino acids phenylalanine and tyrosine for children and adults with documented tyrosinemia. This product provides all other essential amino acids as well as nonessential amino acids, carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Phenylalanine- and tyrosine-free
- 22 g protein equivalent/100 g powder
- Higher level of protein equivalent than found in TYROS 1
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults
- Halal

PRODUCT FORM

TYROS 2 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

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 B₁₂, thiamin hydrochloride, vitamin B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, ethyl vanillin.

CAUTION: Mead Johnson Nutrition 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.

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

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	410	Vitamin C (Ascorbic acid), mg	49
Protein equivalent, g*	22	Choline, mg	98
Fat, g	8.5	Inositol, mg	49
Linoleic acid, mg	4200	Minerals	
Carbohydrate, g	60	Calcium, mg	730
Vitamins/Other Nutrients:		Phosphorous, mg	730
Vitamin A, IU	1420	Magnesium, mg	163
Vitamin D, IU	280	Iron, mg	12.2
Vitamin E, IU	9.8	Zinc, mg	12.2
Vitamin K, mcg	41	Manganese, mcg	1300
Thiamin (Vitamin B ₁), mcg	1220	Copper, mcg	1220
Riboflavin (Vitamin B ₂), mcg	980	Iodine, mcg	63
Vitamin B ₆ , mcg	980	Selenium, mcg	28
Vitamin B ₁₂ , mcg	2.4	Chromium, mcg	37
Niacin, mcg	22000	Molybdenum, mcg	37
Folic acid (Folacin), mcg	350	Sodium, mg	610
Pantothenic acid, mcg	4900	Potassium, mg	1100
Biotin, mcg	49	Chloride, mg	850

NUTRIENT FACTS

Protein Equivalent (% Calories)*	22	Carbohydrate (% Calories)	59
Fat (% Calories)	19	Lactose-free	Suitable for someone with lactose intolerance

* WARNING: Protein is incomplete since it does not contain the essential amino acids phenylalanine and tyrosine.



WND® 1

DESCRIPTION/INDICATION

WND 1 is an iron-fortified infant formula and medical food powder that is free of nonessential amino acids for infants and toddlers with documented inborn errors of the urea cycle (waste nitrogen disorders). The product provides the essential amino acids as well as carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- DHA and ARA
- Nonessential amino acid-free
- Vitamin and mineral levels meet the U.S. Infant Formula Act requirements per 100 Calories
- Increased levels of B vitamins, compared to routine infant formulas, for cofactor production
- Vanilla scent
- Mixes easily and stays in suspension well

- Has choline, an essential nutrient important for brain development and the normal functioning of cells^{1,2}
- Halal

PRODUCT FORM

WND 1 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, vegetable oil (palm olein oil, coconut oil, soy oil, high oleic sunflower oil), modified corn starch, sugar, amino acids (L-leucine, L-lysine hydrochloride, L-isoleucine, L-valine, L-threonine, L-tyrosine, L-phenylalanine, L-histidine, L-tryptophan, L-methionine, L-cystine), calcium phosphate and less than 1%: *Mortierella alpina* oil*, *Cryptocodium cohnii* oil†, ethyl vanillin, potassium citrate, sodium citrate, magnesium oxide, ferrous sulfate, potassium chloride, zinc sulfate, cupric sulfate, manganese sulfate, sodium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B₆ hydrochloride, thiamin hydrochloride, riboflavin, vitamin D₃, folic acid, biotin, vitamin K₁, vitamin E acetate, vitamin A palmitate, vitamin B₁₂, taurine, L-carnitine.

* A source of arachidonic acid (ARA).

† A source of docosahexaenoic acid (DHA).

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	500	Biotin, mcg	38
Protein equivalent, g [‡]	6.5	Vitamin C (Ascorbic acid), mg	60
Fat, g	26	Choline, mg	124
Linoleic acid, mg	4000	Inositol, mg	86
Carbohydrate, g	60	Minerals	
Vitamins/Other Nutrients		Calcium, mg	660
Vitamin A, IU	1520	Phosphorus, mg	440
Vitamin D, IU	380	Magnesium, mg	66
Vitamin E, IU	10	Iron, mg	9.6
Vitamin K, mcg	40	Zinc, mg	8.6
Thiamin (Vitamin B ₁), mcg	1000	Manganese, mcg	380
Riboflavin (Vitamin B ₂), mcg	1000	Copper, mcg	860
Vitamin B ₆ , mcg	1000	Iodine, mcg	76
Vitamin B ₁₂ , mcg	2	Selenium, mcg	14.1
Niacin, mcg	10000	Sodium, mg	240
Folic acid (Folacin), mcg	100	Potassium, mg	560
Pantothenic acid, mcg	3800	Chloride, mg	420

NUTRIENT FACTS

Protein Equivalent (% Calories) [‡]	5	Osmolality (mOsm/kg water) [§]	280
Fat (% Calories)	47	Osmolarity (mOsm/L) [§]	250
Carbohydrate (% Calories)	48	Lactose-free	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder) [§]	88		

[‡] WARNING: Protein level is inadequate to meet normal infant growth and development needs using WND® 1 alone.

[§] Determined at 20 Cal/fl oz density.

CAUTION: Mead Johnson Nutrition WND® 1 is to be used only in the dietary management of infants and young children with documented inborn errors or the urea cycle while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough calories and protein to support growth, using other foods as required. Medical professionals must carefully and constantly supervise use of WND 1 with other foods and liquids and adjust the diet based on frequent blood tests.

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

References

1. Food and Nutrition Board, Institute of Medicine, Choline. In: *Dietary References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B₆, Folate, Vitamin B₁₂, Pantothenic Acid, Biotin, and Choline*. Washington, DC: National Academy Press;1998:390-422.
2. Zeisel SH, da Costa KA. Choline: an essential nutrient for public health. *Nutr Rev*. 2009;67:615-623.
3. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes



WND® 2

DESCRIPTION/INDICATION

WND 2 is an iron-fortified medical food powder that is free of nonessential amino acids for children and adults with documented inborn errors of the urea cycle (waste nitrogen disorders). The product provides the essential amino acids as well as carbohydrate, fat, essential fatty acids, vitamins and minerals. Use under direct and continuing supervision of a doctor.

PRODUCT FEATURES

- Provides essential amino acids; does not contain nonessential amino acids
- 8.2 g protein equivalent/100 g powder
- Suitable for someone with lactose intolerance
- Vanilla scent
- Can be easily modified with preferred flavor enhancers
- Mixes easily and stays in suspension well
- Vitamin and mineral levels appropriate for children and adults
- Halal

PRODUCT FORM

WND 2 is available in powder. For ordering information, please refer to page 256.

COMPOSITION

Ingredients: Corn syrup solids, amino acids (L-leucine, L-lysine hydrochloride, L-isoleucine, L-valine, L-threonine, L-tyrosine, L-phenylalanine, L-histidine, L-tryptophan, L-methionine, L-cystine), sugar, soy oil, modified corn starch, calcium phosphate, potassium citrate, sodium citrate, magnesium phosphate, potassium chloride, sodium phosphate and less than 1%: 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 B₆ hydrochloride, riboflavin, folic acid, vitamin D₃, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K₁, vitamin B₁₂, ethyl vanillin.

CAUTION: Mead Johnson Nutrition WND 2 is to be used only in the dietary management of children and adults with documented inborn errors of the urea cycle while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Continuing medical supervision and frequent blood tests are required. WND 2 must be supplemented using other food sources of protein and fluid to provide enough calories, vitamins and minerals to support dietary requirements of children and adults.

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

NUTRIENTS

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

	Per 100 grams Powder		Per 100 grams Powder
Calories	410	Vitamin C (Ascorbic acid), mg	57
Protein equivalent, g	8.2	Choline, mg	114
Fat, g	10.2	Inositol, mg	57
Linoleic acid, mg	5100	Minerals	
Carbohydrate, g	71	Calcium, mg	860
Vitamins/Other Nutrients:		Phosphorous, mg	860
Vitamin A, IU	1730	Magnesium, mg	200
Vitamin D, IU	340	Iron, mg	14.3
Vitamin E, IU	12.2	Zinc, mg	14.3
Vitamin K, mcg	48	Manganese, mcg	1590
Thiamin (Vitamin B ₁), mcg	1430	Copper, mcg	1430
Riboflavin (Vitamin B ₂), mcg	1140	Iodine, mcg	74
Vitamin B ₆ , mcg	1140	Selenium, mcg	33
Vitamin B ₁₂ , mcg	2.9	Chromium, mcg	45
Niacin, mcg	26000	Molybdenum, mcg	45
Folic acid (Folacin), mcg	410	Sodium, mg	710
Pantothenic acid, mcg	5700	Potassium, mg	1260
Biotin, mcg	57	Chloride, mg	980

NUTRIENT FACTS

Protein Equivalent (% Calories)*	8	Carbohydrate (% Calories)	69
Fat (% Calories)	23	Lactose-free	Suitable for someone with lactose intolerance

* Not a source of nonessential amino acids.

Notes



Additional Product Information

Recommended Storage Guidelines for Mead Johnson Nutrition Products

POWDER STORAGE

Tubs

Store powder at room temperature; avoid extreme temperatures. After opening, keep lid tightly closed, store in a dry area and use contents within 1 month. Use tub with formula indicated on label only.

Keep powder fresh and prevent bacterial growth by assuring tub is clean and completely dry. Completely empty tub and wipe clean with a clean, dry cloth before refilling.

If you choose to empty the pouch into the tub, you **must retain the batch code** and “use by” date sticker from the pouch.

Caution

- USE BY DATE ON LABEL OF CURRENT POUCH

Cans

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.

Caution

- USE BY DATE ON BOTTOM OF CAN

SINGLE-SERVE POWDER PACKET STORAGE

Single-Serve Powder Packets

Store unopened packets at room temperature. Do not freeze powder and avoid excessive heat.

Caution

- USE BY DATE ON PACKET

READY TO USE STORAGE

2 & 6 fl oz Nursette® Bottles

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

Caution

- DO NOT ACCEPT IF PACKAGE HAS BEEN OPENED
- DO NOT USE IF CAP RING IS BROKEN OR MISSING
- USE BY DATE ON CARTON AND BOTTLE LABEL

8 & 32 fl oz Bottles

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

Caution

- DO NOT ACCEPT IF PACKAGE HAS BEEN OPENED
- DO NOT USE IF PROTECTIVE SEAL AROUND CAP, OR IF FOIL SEAL UNDER CAP, IS DAMAGED OR MISSING
- USE BY DATE ON SIDE OF BOTTLE

CONCENTRATE STORAGE

Cans

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

Caution

- USE BY DATE ON TOP OF CAN

HUMAN MILK FORTIFIER STORAGE

Enfamil® Human Milk Fortifier Powder

Store packets at room temperature. Avoid freezing and excessive heat.

Enfamil® Human Milk Fortifier Acidified Liquid

Store unopened pouches in carton at room temperature. Once pouch has been opened, store unused vials inside the pouch and use remaining vials within 24 hours. Contents must be used within 24 hours. Avoid excessive heat. Do not freeze.

ORAL ELECTROLYTE SOLUTION STORAGE

2 fl oz Nursette® Bottles

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

Caution

- DO NOT ACCEPT IF PACKAGE HAS BEEN OPENED
- DO NOT USE IF CAP RING IS BROKEN OR MISSING
- USE BY DATE ON CARTON AND BOTTLE LABEL

6 fl oz Nursette Bottles

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

Caution

- DO NOT ACCEPT IF PACKAGE HAS BEEN OPENED
- DO NOT USE IF CAP RING IS BROKEN OR MISSING
- USE BY DATE ON CARTON AND BOTTLE LABEL

32 fl oz Bottles

Store unopened bottles at room temperature or refrigerate. Avoid excessive heat and prolonged exposure to light. Do not freeze.

Caution

- DO NOT USE IF CAP RING IS BROKEN OR MISSING
- USE BY DATE ON SIDE OF BOTTLE

VITAMIN STORAGE

Enfamil® Expecta® Prenatal Dietary Supplement

Store at room temperature in a dry place; keep tightly closed. Protect from excessive heat or freezing.

Caution

- DO NOT USE IF SAFETY SEAL BEARING “SEALED FOR YOUR PROTECTION” UNDERNEATH CAP IS TORN OR MISSING

Enfamil® Vi-Sol® Family of Vitamins Storage:

Enfamil® D-Vi-Sol®, Enfamil® Poly-Vi-Sol®, Enfamil® Poly-Vi-Sol® with Iron, Enfamil® Tri-Vi-Sol®, Enfamil® Fer-In-Sol®

Vitamin products come with a child-resistant cap. Refrigeration not required. Store away from direct light.

Caution

- USE BY DATE ON BOTTOM OF CARTON
- DO NOT USE IF PRINTED BOTTLE NECKBAND IS MISSING OR BROKEN

Hospital or Institutional Storage Guidelines for Prepared Formula

Recommendation

Refrigeration	• Dedicated refrigerators recommended	• Store at 35–40°F (2–4°C) no longer than 24 hours
Room temperature	• 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 Hang Times for Mead Johnson Nutrition Products^{*,†}

Product Form	Neonates or Immunocompromised Infants/Children	Infants and Children with Healthy Immune Systems
Ready-To-Use liquid unaltered infant formula (commercially sterile)	4 hours	8 hours
Concentrated liquid formulas (commercially sterile)	4 hours	4 hours
Powdered formulas (not sterile)	4 hours	4 hours
Powder or liquids added to liquid formulas or expressed breast milk[†]	4 hours	4 hours

Failure to follow these instructions could result in severe harm.

* Adapted from: Robbins ST, Meyers R, eds.; Pediatric Nutrition Practice Group. *Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities*. 2nd ed. American Dietetic Association; 2011.

Reference: 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.

† For reservoir and tube-change guidelines, refer to: Robbins ST, Meyers R, eds.; Pediatric Nutrition Practice Group. *Infant Feedings: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities*. 2nd ed. American Dietetic Association; 2011.

Preparation of Feedings for Mead Johnson Nutrition Products

The baby's health depends on carefully following the instructions below. Use only as directed by a medical professional. 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 a doctor. Discuss with parents which formula is appropriate for the baby.

Discuss with parents whether they need to use cooled, boiled water for mixing and whether they need to boil clean utensils, bottles and nipples in water before use.

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

Refer to the product label for the most accurate information.

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 35–40°F (2–4°C) 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 1 hour or discard.

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

Use the charts on the following pages for correct amounts of water and powder. Use scoop in tub or can to measure powder. Store **DRY** scoop in lid holder in tub or in can.

POWDER INSTRUCTIONS FOR

Enfamil PREMIUM® Newborn

Enfamil NeuroPro™ Infant, Enfamil PREMIUM® Infant and Enfamil® Infant

Enfamil® Enspire™

Enfamil NeuroPro™ Gentlease®, Enfamil PREMIUM® Gentlease® and Enfamil® Gentlease®

Enfamil® Reguline®

Enfamil® ProSobee®

Nutramigen® LGG®* and Nutramigen® LGG® Toddler Pregestimil®

Enfagrow PREMIUM™ Toddler Transitions®

Enfagrow® Toddler Transitions® Gentlease®

Enfagrow® Toddler Transitions® Soy

Enfagrow PREMIUM™ Toddler Next Step™

Enfagrow® Toddler Next Step™

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

Enfamil PREMIUM® Newborn

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	9 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	18 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	36 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil NeuroPro™ Infant, Enfamil PREMIUM® Infant and Enfamil® Infant

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.8 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.6 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	35.2 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil® Enspire™

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.8 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.6 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	35.2 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil NeuroPro™ Gentlease®, Enfamil PREMIUM® Gentlease® and Enfamil® Gentlease®

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.4 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	34.8 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil® ProSobee®

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.8 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.6 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	35.2 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil® Reguline®

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.7 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.4 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	34.8 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Nutramigen® with Enflora™ LGG†

To Make†	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 PACKED level scoop	9 g
4 fl oz bottle	4 fl oz	2 PACKED level scoops	18 g
8 fl oz bottle	8 fl oz	4 PACKED level scoops	36 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

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

WARNING: Do not warm. Warming may limit benefits of LGG culture.

Nutramigen® with Enflora™ LGG† Toddler

To Make*	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 PACKED level scoops	27.9 g
8 fl oz bottle	8 fl oz	4 PACKED level scoops	37.2 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

WARNING: Do not warm. Warming may limit benefits of LGG culture.

Pregestimil®

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 PACKED level scoop	8.9 g
4 fl oz bottle	4 fl oz	2 PACKED level scoops	17.8 g
8 fl oz bottle	8 fl oz	4 PACKED level scoops	35.6 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfagrow® Toddler Transitions® Gentlease®

To Make*	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 unpacked level scoops	27 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	36 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfagrow® Toddler Transitions® Soy

To Make*	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 unpacked level scoops	28.2 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	37.6 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor and Enfagrow® Toddler Next Step™ Vanilla

Add 4 unpacked level scoops (1/3 cup, 36 g) of powder to 6 fluid ounces of water. Shake well, serve immediately. Store **DRY** scoop in can.

	Water	Powder
Combine	6 fl oz	4 unpacked level scoops (1/3 cup, 36 g)

Enfagrow PREMIUM™ Toddler Transitions®

To Make*	Water	Powder	Weight
6 fl oz bottle	6 fl oz	3 unpacked level scoops	27 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	36 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

POWDER INSTRUCTIONS FOR

Enfamil A.R.™

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 35–40°F (2–4°C) 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 1 hour or discard.

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**. Let bottle sit 5 minutes. **SHAKE AGAIN**.

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

Enfamil A.R.™

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	9 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	18 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	36 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

POWDER INSTRUCTIONS FOR

PurAmino™

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 35–40°F (2–4°C) 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 1 hour or discard.

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

For every 1 fl oz of water, add 1 unpacked level scoop of powder (4.5 g). Each scoop adds about 0.1 fl oz to the amount of prepared formula. For example, adding 3 unpacked level scoops of powder to 3 fl oz of water will make about 3.3 fl oz of formula.

PurAmino™

	Water		Powder
For every	1 fl oz	add	1 unpacked level scoop (4.5 g)

POWDER INSTRUCTIONS FOR

PurAmino™ Toddler

The 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 PurAmino Toddler powder. **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 to make 30 Cal/fl oz feedings: **For every 1 fl oz of water, 1 unpacked level scoop of powder (7.2 g) will make approximately 1.2 fl oz of prepared formula.** Add 5 unpacked level scoops (36 g) of powder to 5 fl oz of water to make 6 fl oz of prepared product. Add 7 unpacked level scoops (50.4 g) to 7 fl oz of water to make 8.4 fl oz of prepared product. Store **DRY** scoop in can.

POWDER INSTRUCTIONS FOR

3232 A

The child's doctor will provide instructions for the correct amounts of water and powder. One half (½) cup 3232 A (packed and leveled) delivers approximately 81 g powder. Pour desired amount of water into bottle/container. Add powder and mix vigorously.

1. Wash hands thoroughly with soap and water before preparing formula.
2. Add 81 g of powder (packed, level ½ cup) and 59 g of the desired carbohydrate to 4 fl oz (120 mL) of water in a clean bottle or container.
3. Mix well with fork or mixer until a smooth paste is formed.
4. Add additional water to make one quart. Initial feedings of 3232 A may need to contain less than the full 59 g of carbohydrate recommended or the formula may need to be diluted to 10 Calories/fl oz or less and gradually increased to 20 Calories/fl oz.

(Continued on next page)

If incremental addition of carbohydrate is desired, see the table below.

Incremental Addition of Carbohydrate (CHO) to 3232 A										
Added CHO per 100 mL [†]	(g)	0	0.1	1.2	2.1	3.2	4.1	5.2	6.1	6.2
Total CHO per 100 mL [†]	(g)	2.8	3	4	5	6	7	8	9	9.1
CHO to add per quart	(g)	0	1	11	20	30	39	49	58	59
Total CHO per quart of prepared formula [‡]	(g)	27	28	38	47	57	66	76	85	86
Calories/fl oz of prepared formula [§]		12.7	12.8	14	15.2	16.4	17.5	18.8	19.9	20

* g of CHO per 100 mL = approximately % (weight volume) CHO concentration.

† Values are for added CHO (does not include modified tapioca starch present in the diet powder).

‡ Includes added CHO and modified tapioca starch (stabilizer) present in the diet powder.

§ Prepared formula includes 81 g diet powder, the added carbohydrate and water added to make one quart.

POWDER INSTRUCTIONS FOR

Portagen®

USE AS DIRECTED BY A PHYSICIAN OR DIETITIAN.

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

Pour desired amount of water into a suitable container. Add powder, cover container and shake vigorously until thoroughly blended.

Portagen

To Make	Water	Powder	Weight
4.5 fl oz	4 fl oz	3 packed level scoops	28.2 g
1 quart	27 fl oz	1 ⅓ packed level measuring cups	203 g

Both preparations will result in 30 Calories per fl oz of prepared product. For other volumes, prepare as directed by a doctor.

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 35–40°F (2–4°C) 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 INSTRUCTIONS FOR

Enfamil® EnfaCare®

WARNING: The 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 infants born prematurely, 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 the baby's doctor. Discuss with parents which formula is appropriate for the baby.

Discuss with parents the need to use cooled, boiled water for mixing and the need to boil clean utensils, bottles and nipples in water before use.

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

Use the chart on the following page for correct amounts of water and powder. Use scoop in can to measure powder. Store **DRY** scoop in can.

Enfamil® EnfaCare®

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	9.8 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	19.6 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	39.2 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

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 35–40°F (2–4°C) 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 1 hour or discard.

POWDER INSTRUCTIONS FOR

Metabolic Products

BCAD 1, GA, HCY 1, LMD, OA 1, OA 2*, Phenyl-Free® 1, TYROS 1, WND® 1

The medical professional will provide instructions for the correct amounts of water and powder. Pour the required amount of water into the bottle/container. Add the correct amount of powder, cap the bottle/container and shake vigorously.

If instructed to use the scoop in the can, each unpacked, level scoop delivers **approximately 4.5 g of powder**. Store **DRY** scoop in can.

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 35–40°F (2–4°C) 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 1 hour or discard.

* Each unpacked, level scoop of OA 2 delivers **approximately 14.5 g** of powder.

BCAD 2, HCY 2, PFD Toddler, PFD 2, Phenyl-Free® 2, Phenyl-Free® 2 HP, TYROS 2, WND® 2

The 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 product. **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, see the chart below for weight of one unpacked, level scoop of product. Store **DRY** scoop in can.

Weight—one unpacked, level scoop (g)			
BCAD 2	14.5	Phenyl-Free 2	14.4
HCY 2	14.5	Phenyl-Free 2 HP	15.1
PFD Toddler	4.5	TYROS 2	14.5
PFD 2	14.9	WND 2	14.5

READY TO USE INSTRUCTIONS**2 & 6 fl oz Nursette® Bottles**

1. **Inspect** each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. **SHAKE BOTTLE WELL** and remove cap.
4. Attach nipple unit (not included).

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 can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use formula within 1 hour or discard.

8 fl oz Bottles

1. Wash hands thoroughly with soap and water before preparing feeding bottles.
2. **SHAKE BOTTLE WELL**, remove protective seal around cap, remove cap and foil seal.
3. Pour into feeding bottle(s).

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 formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 48 hours. Do not use opened bottle and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use prepared formula within 1 hour or discard.

32 fl oz Bottles

1. Wash hands thoroughly with soap and water before preparing feeding bottles.
2. **SHAKE BOTTLE WELL**, remove protective seal around cap, remove cap and foil seal. Replace cap.
3. Pour into feeding bottle(s).

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 formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 48 hours. Do not use opened bottle and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use prepared formula within 1 hour or discard.

READY TO USE INSTRUCTIONS**Enfaport™**

1. Wash hands thoroughly with soap and water before preparing bottle for feeding.
2. **SHAKE BOTTLE WELL** and remove cap.
3. Attach nipple unit (not included).

NOTE: Although nutrient amounts per 100 Calories remain unchanged, diluting Enfaport with water results in lower nutrient amounts per fluid ounce (see MeadJohnson.com/pediatrics). Consult a doctor about the need to dilute Enfaport and for appropriate feeding volumes.

See the chart below if the baby's doctor recommends one of the following caloric densities:

Indicated Cal/fl oz	Water to add to 6 fl oz (177 mL) Enfaport	Formula Yield	Volume for 100 Calories
20	3.0 fl oz (89 mL)	9.0 fl oz (266 mL)	5.0 fl oz (148 mL)
22	2.2 fl oz (64 mL)	8.2 fl oz (241 mL)	4.5 fl oz (134 mL)
24	1.5 fl oz (44 mL)	7.5 fl oz (221 mL)	4.2 fl oz (123 mL)
26	0.9 fl oz (27 mL)	6.9 fl oz (204 mL)	3.8 fl oz (114 mL)
27	0.7 fl oz (20 mL)	6.7 fl oz (197 mL)	3.7 fl oz (110 mL)
28	0.4 fl oz (13 mL)	6.4 fl oz (190 mL)	3.6 fl oz (106 mL)

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 formula can spoil quickly. Either feed immediately or replace cap and store in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours. Do not use opened bottle if it is unrefrigerated for more than a total of 2 hours. Do not freeze. After feeding begins, use formula within 1 hour or discard.

READY TO DRINK INSTRUCTIONS**Enfagrow PREMIUM™ Toddler Next Step™**

Ready-to-Drink Natural Milk Flavor

8 fl oz Bottle

SHAKE WELL BEFORE OPENING. Remove protective seal around cap, remove cap and foil seal, and serve. Keep refrigerated after opening and use within 5 days.

32 fl oz Bottle

Chill, shake well and serve. Keep refrigerated after opening and use within 5 days.

Enfagrow® Toddler Next Step™

Ready-to-Drink Vanilla Flavor

8 fl oz Bottle

SHAKE WELL BEFORE OPENING. Remove protective seal around cap, remove cap and foil seal, and serve. Keep refrigerated after opening and use within 5 days.

SINGLE-SERVE POWDER PACKET INSTRUCTIONS

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 35–40°F (2–4°C) 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 1 hour or discard.

1. Wash hands thoroughly with soap and water before preparing formula.
2. Pour desired amount of water into bottle. Pour entire contents of packet(s) into bottle.
3. Cap bottle and **SHAKE WELL**.

Use the charts below for correct amounts of water and powder.

Enfamil NeuroPro™ Infant and Enfamil PREMIUM® Infant

To Make*	Water	Powder	Weight
4 fl oz bottle	4 fl oz	1 packet	17.6 g
8 fl oz bottle	8 fl oz	2 packets	35.2 g

* Each packet adds about 0.4 fl oz to the amount of prepared formula.

Enfamil NeuroPro™ Gentlease® and Enfamil PREMIUM® Gentlease®

To Make*	Water	Powder	Weight
4 fl oz bottle	4 fl oz	1 packet	17.4 g
8 fl oz bottle	8 fl oz	2 packets	34.8 g

* Each packet adds about 0.4 fl oz to the amount of prepared formula.

ORAL ELECTROLYTE INSTRUCTIONS**Enfamil® Enfalyte®****2 & 6 fl oz Nursette® Bottles – Unflavored and Cherry Flavor**

1. **Inspect** each bottle for signs of damage.
2. Wash hands thoroughly with soap and water before preparing bottle for feeding.
3. Remove cap.
4. Attach nipple unit (not included).

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

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

WARNING: Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids.

Not for parenteral (I.V.) use.

This product should be used only as directed by your baby's doctor. If vomiting or fever is present, or diarrhea continues beyond 24 hours, consult your baby's doctor.

ORAL ELECTROLYTE INSTRUCTIONS**Enfamil® Enfalyte®****32 fl oz Bottles – Cherry Splash and Mixed Fruit**

For children under 2 years of age: Consult a doctor.

For children 2 years of age and older (including adults): Offer small, frequent sips every 15–30 minutes. Increase serving as tolerated. Contact a healthcare provider if you continue to see/experience signs of dehydration.

Upon opening, either feed immediately or replace cap and store in refrigerator for no longer than 48 hours. Do not freeze. After feeding begins, use within 1 hour or discard.

WARNING: Do not mix with infant formula, milk, fruit juices or other electrolyte-containing liquids.

This product should be used only as directed by your infant's doctor. If vomiting or fever is present, or diarrhea continues beyond 24 hours, consult your doctor.

CONCENTRATE INSTRUCTIONS**13 fl oz Cans**

1. Wash hands thoroughly with soap and water before preparing formula.
2. Clean can lid, **SHAKE CAN WELL** and open.
3. Pour desired amount of water into the bottle. Add an **equal** amount of concentrated liquid. Shake or stir 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 bottles or cans and prepared formula can spoil quickly. Either feed immediately or cover and store in refrigerator at 35–40°F (2–4°C) for no longer than 48 hours. Do not use opened containers and/or prepared formula if they are unrefrigerated for more than a total of 2 hours. Do not freeze prepared formula. After feeding begins, use prepared formula within 1 hour or discard.

HUMAN MILK FORTIFIER INSTRUCTIONS

Enfamil® Human Milk Fortifier Powder

The 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 Enfamil® Human Milk Fortifier 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 baby's 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 Calories/fl oz	50 mL	1 packet (0.71 g)
4 Calories/fl oz	25 mL	1 packet (0.71 g)

- 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 35–40°F (2–4°C) for no longer than 24 hours. Agitate before each use.

For tube feeding: Once fortified human milk is prepared, it can remain at room temperature for no longer than a total of 4 hours.

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, use fortified breast milk within 1 hour or discard.

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

Enfamil® Human Milk Fortifier Acidified Liquid

The 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.

- Follow hospital rules or the baby's 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 Calories/fl oz	50 mL	1 vial
4 Calories/fl oz	25 mL	1 vial

Each vial of Enfamil Human Milk Fortifier Acidified Liquid is designed to deliver 5 mL when opened and poured.

- The baby's doctor will provide instructions for the desired amount of calories to add.
- Remove vials from foil pouch and separate number of vials needed.
- Store remaining vials in foil pouch at room temperature. Once pouch has been opened, vials must be used within 24 hours.
- Shake vial vigorously to mix contents. Firmly hold vial UPRIGHT by bottom tab and slowly twist top off completely. Add fortifier to human milk.

Some liquid may remain in cap and vial; disregard this liquid. Discard opened vial and cap promptly. Do not use product that has unusual characteristics.

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 35–40°F (2–4°C) for no longer than 24 hours. Agitate before each use.

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, use fortified human milk within 1 hour or discard.

For tube feeding: Once fortified human milk is prepared, it can remain at room temperature for no longer than a total of 4 hours.

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

WARNING: Not for parenteral (I.V.) use. Fortifier is designed to be mixed with breast milk; do not administer directly.

VITAMIN INSTRUCTIONS

Enfamil® Expecta® Prenatal Dietary Supplement

Directions for Use

Take one softgel and one tablet daily with a meal. Swallow whole with water. **For adults only. Consult a doctor before taking any supplement.**

Enfamil® Vi-Sol® Family of Vitamins Administration:

Enfamil® D-Vi-Sol®, Enfamil® Poly-Vi-Sol®, Enfamil® Poly-Vi-Sol® with Iron, Enfamil® Tri-Vi-Sol®, Enfamil® Fer-In-Sol®

Drops:

- Shake bottle well and fill dropper to 1 mL line (daily serving) unless doctor recommends another dosage.
- Dispense gently into mouth towards inner cheek; a small amount will remain in the tip.
- To increase acceptance, mix with breast milk, formula, juice, cereal or other foods.

Product Ordering Guide

When using this information, please note the following:

Coding systems and reimbursement allowable rates vary by payer:

- Medicare Part B uses HCPCS (Healthcare Common Procedure Coding System) to group products

- Medicaid systems vary by state; some use HCPCS while others use NDC format code or systems of their own—contact your state provider for more information
- Private health insurance and managed care companies may use HCPCS, NDC format code or their own system—contact your provider for more information

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
3232 A	042521	Powder	1 lb can	2270	Varies	6 cans per case	B4161	00087-0425-41
BCAD 1	892801	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5101-84
BCAD 2	891501	Powder	1 lb can	1860	Varies	6 cans per case	B4162	00087-5100-15
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	167205	Powder	32 oz can	4000	173	6 cans per case	B4158	00087-5114-13
Enfagrow PREMIUM Toddler Next Step Natural Milk Flavor	167206	Powder	24 oz can	3040	130	4 cans per case	B4158	00087-1467-41
Enfagrow PREMIUM Toddler Next Step Ready-to-Drink Natural Milk Flavor	162901	RTU	8 fl oz bottle	160	8	24 bottles per case	B4158	00087-5117-51
Enfagrow PREMIUM Toddler Next Step Ready-to-Drink Natural Milk Flavor	162903	RTU	32 fl oz bottle	640	32	4 bottles per case	B4158	00087-5119-61
Enfagrow PREMIUM™ Toddler Transitions®	169604	Powder, Refill	28 oz box	3940	197	4 boxes per case	B4158	00087-5102-11
Enfagrow PREMIUM Toddler Transitions	169602	Powder	20 oz can	2820	141	4 cans per case	B4158	00087-1401-51
Enfagrow® Toddler Next Step™ Vanilla	869217	Powder	24 oz can	2470	130	4 cans per case	B4158	00087-8692-47
Enfagrow Toddler Next Step Ready-to-Drink Vanilla	157501	RTU	8 fl oz bottle	160	8	24 bottles per case	B4158	00087-5117-54
Enfagrow® Toddler Transitions® Gentlease®	146110	Powder	20 oz can	2820	141	4 cans per case	B4158	00087-1461-42

To place an order, contact your Mead Johnson representative, or call Customer Service at 1-800-457-3550.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Enfagrow® Toddler Transitions® Soy	140916	Powder	20 oz can	2700	135	4 cans per case	B4159	00087-1409-44
Enfamil® 24	166802	RTU, 24 Cal	2 fl oz bottle	48	2	48 bottles per case	B4158*	00087-5120-58
Enfamil® 5% Glucose in Water	134601	RTU	2 fl oz bottle	10	2	48 bottles per case	N/A	00087-1346-41
Enfamil A.R.™	020135	Powder, Refill	32.2 oz box	4540	227	4 boxes per case	B4158	00087-5100-96
Enfamil A.R.	020136	Powder	21.5 oz tub	3040	152	4 tubs per case	B4158	00087-0201-65
Enfamil A.R.	020102	Powder	12.9 oz can	1820	91	6 cans per case	B4158	00087-0201-42
Enfamil A.R.	145301	RTU	2 fl oz bottle	40	2	48 bottles per case	B4158	00087-1453-41
Enfamil A.R.	153401	RTU	8 fl oz bottle	160	8	24 bottles per case	B4158	00087-5103-00
Enfamil® D-Vi-Sol® Liquid Vitamin D Supplement	086604	Dropper	50 mL	N/A	N/A	12 cartons per case	N/A	00087-0866-44
Enfamil® EnfaCare®	001904	Powder	12.8 oz can	1800	82	6 cans per case	B4160	00087-0019-44
Enfamil EnfaCare	139001	RTU	2 fl oz bottle	44	2	48 bottles per case	B4160	00087-1390-41
Enfamil EnfaCare	149501	RTU	8 fl oz bottle	176	8	24 bottles per case	B4160	00087-5102-98
Enfamil® Enfalyte®—Cherry Flavor	167503	RTU	6 fl oz bottle	22	6	24 bottles per case	N/A	00087-5121-58
Enfamil Enfalyte—Cherry Splash	167501	RTU	32 fl oz bottle	118.4	32	6 bottles per case	B4103	00087-5118-31
Enfamil Enfalyte—Mixed Fruit	167701	RTU	32 fl oz bottle	118.4	32	6 bottles per case	B4103	00087-5118-33
Enfamil Enfalyte—Unflavored	167101	RTU	2 fl oz bottle	7.4	2	48 bottles per case	N/A	00087-5115-03
Enfamil® Enspire™	157401	Powder	20.5 oz tub	2940	147	4 tubs per case	B4158	00087-5117-48
Enfamil® Expecta® Prenatal Dietary Supplement	3006E7	Tablet and Softgel	Combo pack	N/A	N/A	12 combo packs	N/A	00087-5105-85
Enfamil® Fer-In-Sol® Liquid Iron Supplement	074026	Dropper	50 mL	N/A	N/A	12 cartons per case	N/A	00087-0740-02
Enfamil® Gentlease®	869318	Powder	29.1 oz can	4200	210	4 cans per case	B4158	00087-5121-25
Enfamil Gentlease	8693Y4	Powder	20.9 oz can	3020	151	4 cans per case	B4158	00087-5119-78
Enfamil Gentlease	869353	Powder	12.4 oz can	1800	90	6 cans per case	B4158	00087-5100-69
Enfamil Gentlease	146401	RTU	2 fl oz bottle	40	2	48 bottles per case	B4158	00087-1464-41
Enfamil Gentlease	129501	RTU	6 fl oz bottle	120	6	24 bottles per case	B4158	00087-5105-23
Enfamil Gentlease	153801	RTU	8 fl oz bottle	160	8	24 bottles per case	B4158	00087-5103-41

* HCPCS application is in process.

N/A=Not Available.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Enfamil® Human Milk Fortifier Acidified Liquid	146301	Liquid	5 mL vial	7.5	5 mL	200 vials per case	B4155	00087-1463-41
Enfamil® Human Milk Fortifier Powder	201418	Powder	0.71 g foil sachet	3.5	—	200 units per case	B4155	00087-2014-48
Enfamil® Infant	1365A7	Powder	30 oz can	4300	215	4 cans per case	B4158	00087-5121-27
Enfamil Infant	1365A5	Powder	21.1 oz can	3020	151	4 cans per case	B4158	00087-5119-76
Enfamil Infant	136502	Powder	12.5 oz can	1800	90	6 cans per case	B4158	00087-1365-42
Enfamil Infant	170901	RTU	8 fl oz bottle	160	8	24 bottles per case	B4158	00087-5102-42
Enfamil Infant	172501	RTU	32 fl oz bottle	640	32	6 bottles per case	B4158	00087-5121-54
Enfamil Infant	136701	Concentrate	13 fl oz can	520	26	12 cans per case	B4158	00087-1367-41
Enfamil NeuroPro™ Gentlease®	133006	Powder, Refill	30.4 oz box	4400	220	4 boxes per case	B4158	00087-5121-23
Enfamil NeuroPro Gentlease	133005	Powder	27.4 oz can	3960	198	4 cans per case	B4158	00087-5121-21
Enfamil NeuroPro Gentlease	133004	Powder	20 oz tub	2900	145	4 tubs per case	B4158	00087-5121-19
Enfamil NeuroPro Gentlease	133001	Single-Serve Powder Packets	17.4 g stick packs (14 per carton)	1120	56	4 cartons per case	B4158	00087-5121-13
Enfamil NeuroPro™ Infant	163205	Powder, Refill	31.4 oz box	4500	225	4 boxes per case	B4158	00087-5121-11
Enfamil NeuroPro Infant	163204	Powder	28.3 oz can	4040	202	4 cans per case	B4158	00087-5121-09
Enfamil NeuroPro Infant	163203	Powder	20.7 oz tub	2960	148	6 tubs per case	B4158	00087-5121-07
Enfamil NeuroPro Infant	163201	Single-Serve Powder Packets	17.6 g stick packs (14 per carton)	1120	56	4 cartons per case	B4158	00087-5121-03
Enfamil NeuroPro Infant	171601	RTU	2 fl oz bottle	40	2	48 bottles per case	B4158	00087-5121-29
Enfamil NeuroPro Infant	171901	RTU	6 fl oz bottle	120	6	24 bottles per case	B4158	00087-5121-33
Enfamil NeuroPro Infant	172202	RTU	32 fl oz bottle	640	32	6 bottles per case	B4158	00087-5121-41
Enfamil® Poly-Vi-Sol® Liquid Multivitamin Supplement	040265	Dropper	50 mL	N/A	N/A	12 cartons per case	N/A	00087-0402-03
Enfamil® Poly-Vi-Sol® with Iron Liquid Multivitamin Supplement	040506	Dropper	50 mL	N/A	N/A	12 cartons per case	N/A	00087-0405-01
Enfamil® Premature 20 Cal	156401	RTU, 20 Cal	2 fl oz bottle	40	2	48 bottles per case	B4160	00087-5115-70
Enfamil® Premature 24 Cal	156301	RTU, 24 Cal	2 fl oz bottle	48	2	48 bottles per case	B4160	00087-5115-68
Enfamil® Premature 24 Cal HP	156601	RTU, 24 Cal	2 fl oz bottle	48	2	48 bottles per case	B4160	00087-5115-74
Enfamil® Premature 30 Cal	156501	RTU, 30 Cal	2 fl oz bottle	60	2	48 bottles per case	B4160	00087-5115-72
Enfamil PREMIUM® Gentlease®	166408	Powder, Refill	32.2 oz box	4640	232	4 boxes per case	B4158	00087-8693-77
Enfamil PREMIUM Gentlease	166405	Powder	21.5 oz tub	3120	156	4 tubs per case	B4158	00087-8693-76

N/A=Not Available

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Enfamil PREMIUM® Gentlease®	166404	Single-Serve Powder Packets	17.4 g stick packs (14 per carton)	1120	56	4 cartons per case	B4158	00087-5102-67
Enfamil PREMIUM Gentlease	169301	RTU	32 fl oz bottle	640	32	6 bottles per case	B4158	00087-5115-62
Enfamil PREMIUM® Infant	161211	Powder, Refill	33.2 oz box	4740	237	4 boxes per case	B4158	00087-1365-61
Enfamil PREMIUM Infant	161209	Powder	22.2 oz tub	3180	159	6 tubs per case	B4158	00087-1365-60
Enfamil PREMIUM Infant	161208	Single-Serve Powder Packets	17.6 g stick packs (16 per carton)	1280	64	6 cartons per case	B4158	00087-1365-67
Enfamil PREMIUM Infant	136601	RTU	2 fl oz bottle	40	2	48 bottles per case	B4158	00087-1366-41
Enfamil PREMIUM Infant	145803	RTU	6 fl oz bottle	120	6	24 bottles per case	B4158	00087-5105-21
Enfamil PREMIUM Infant	170905	RTU	8 fl oz bottle	160	8	30 bottles per case	B4158	00087-5109-56
Enfamil PREMIUM Infant	169801	RTU	32 fl oz bottle	640	32	6 bottles per case	B4158	00087-5115-60
Enfamil PREMIUM® Newborn	161005	Powder, Refill	33.2 oz box	4680	234	4 boxes per case	B4158	00087-5100-42
Enfamil PREMIUM Newborn	161003	Powder	22.2 oz tub	3120	156	4 tubs per case	B4158	00087-1466-45
Enfamil PREMIUM Newborn	165701	RTU, 20 Cal	2 fl oz bottle	40	2	48 bottles per case	B4158	00087-1657-41
Enfamil® ProSobee®	121460	Powder	22 oz can	3180	159	4 cans per case	B4159	00087-1214-42
Enfamil ProSobee	121401	Powder	12.9 oz can	1860	93	6 cans per case	B4159	00087-1214-41
Enfamil ProSobee	144901	RTU	2 fl oz bottle	40	2	48 bottles per case	B4159	00087-1449-41
Enfamil ProSobee	149801	RTU	8 fl oz bottle	160	8	24 bottles per case	B4159	00087-5102-50
Enfamil ProSobee	119501	Concentrate	13 fl oz can	520	26	12 cans per case	B4159	00087-1195-41
Enfamil® Reguline®	167004	Powder	20.4 oz tub	2940	147	4 tubs per case	B4158	00087-5111-57
Enfamil Reguline	167002	Powder	12.4 oz can	1800	90	6 cans per case	B4158	00087-5111-32
Enfamil® Tri-Vi-Sol® Liquid Vitamins Supplement	040365	Dropper	50 mL	N/A	N/A	12 cartons per case	N/A	00087-0403-03
Enfamil® Water for Oral Use	134501	RTU	2 fl oz bottle	0	2	48 bottles per case	N/A	00087-1345-41
Enfaport™	129601	RTU, 30 Cal	6 fl oz bottle	180	6	24 bottles per case	B4160	00087-5105-25
GA	892901	Powder	1 lb can	2270	Varies	6 cans per case	B4157 or B4162	00087-5101-88
HCY 1	893301	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5102-02
HCY 2	891901	Powder	1 lb can	1860	Varies	6 cans per case	B4157 or B4162	00087-5100-27
LMD	893101	Powder	1 lb can	2270	Varies	6 cans per case	B4157 or B4162	00087-5101-96
Nutramigen®	143701	RTU	2 fl oz bottle	40	2	48 bottles per case	B4161	00087-1437-41
Nutramigen	429704	RTU	6 fl oz bottle	120	6	24 bottles per case	B4161	00087-5105-17

N/A=Not Available

To place an order, contact your Mead Johnson representative, or call Customer Service at 1-800-457-3550.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Nutramigen®	148501	RTU	8 fl oz bottle	160	8	24 bottles per case	B4161	00087-5102-46
Nutramigen	169101	RTU	32 fl oz bottle	640	32	6 bottles per case	B4161	00087-5115-64
Nutramigen	049811	Concentrate	13 fl oz can	520	26	12 cans per case	B4161	00087-0498-01
Nutramigen® with Enflora™ LGG**	123905	Powder	19.8 oz can	2780	139	4 cans per case	B4161	00087-1239-45
Nutramigen with Enflora LGG	123901	Powder	12.6 oz can	1740	87	6 cans per case	B4161	00087-1239-41
Nutramigen® with Enflora™ LGG** Toddler	154801	Powder	12.6 oz can	1720	86	6 cans per case	B4161	00087-5107-34
OA 1	893201	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5101-99
OA 2	891701	Powder	1 lb can	1860	Varies	6 cans per case	B4157 or B4162	00087-5100-22
PFD 2	891601	Powder	1 lb can	1820	Varies	6 cans per case	B4155	00087-5100-18
PFD Toddler	892701	Powder	1 lb can	2410	Varies	6 cans per case	B4155	00087-5101-78
Phenyl-Free® 1	892601	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5101-72
Phenyl-Free® 2	891301	Powder	1 lb can	1860	Varies	6 cans per case	B4157 or B4162	00087-5100-03
Phenyl-Free® 2 HP	891401	Powder	1 lb can	1770	Varies	6 cans per case	B4157 or B4162	00087-5100-10
Portagen®	038722	Powder	14.46 oz can	2100	70	6 cans per case	B4150 or B4158	00087-5117-28
Pregestimil®	036721	Powder	1 lb can	2240	112	6 cans per case	B4161	00087-0367-01
Pregestimil	143301	RTU, 20 Cal	2 fl oz bottle	40	2	48 bottles per case	B4161	00087-1433-41
Pregestimil	143401	RTU, 24 Cal	2 fl oz bottle	48	2	48 bottles per case	B4161	00087-1434-41
PurAmino™	129023	Powder	14.1 oz can (400 g)	1960	98	4 cans per case	B4161	00087-5104-80
PurAmino™ Toddler	157301	Powder	14.1 oz can	1960	98	4 cans per case	B4161	00087-5117-32
TYROS 1	893001	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5101-91
TYROS 2	891801	Powder	1 lb can	1860	Varies	6 cans per case	B4157 or B4162	00087-5100-24
WND® 1	893401	Powder	1 lb can	2270	Varies	6 cans per case	B4162	00087-5102-05
WND® 2	892001	Powder	1 lb can	1860	Varies	6 cans per case	B4157 or B4162	00087-5100-29

Accessories

Please refer to page 136.

Enfamil® Nutrition Kits

Please refer to page 138.

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

To place an order, contact your Mead Johnson representative, or call Customer Service at 1-800-457-3550.

Notes

Formula Dilution Instructions*

FROM POWDER†

* **NOTE:** Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then only under strict medical supervision of preparation and use.

† These dilutions can be used with the following Mead Johnson powder formulas.

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 fl oz = 29.57 mL
- One-half fl oz of water = 1 tablespoon

Enfamil A.R.™

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water		Formula Yield	
per fl oz‡	per mL	(fl oz)	(fl oz)	(fl oz)	(fl oz)
20	0.68	2.0		2.2	
22	0.74	1.8		2.0	
24	0.81	1.6		1.9	

Enfamil A.R. should not be diluted to caloric concentrations higher than 24 Calories/fluid ounce because of increased viscosity.

Enfamil A.R. formula should be measured with unpacked, level scoops.

- One scoop of powder provides 45 Calories

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

Enfamil NeuroPro™ Infant, Enfamil PREMIUM® Infant, Enfamil® Infant, Enfamil® Enspire™, Enfamil® ProSobee®, Enfagrow® Toddler Transitions® Gentlease®, Nutramigen® with Enflora™ LGG®§ Toddler

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water		Formula Yield	
per fl oz‡	per mL	(fl oz)	(fl oz)	(fl oz)	(fl oz)
20	0.68	2.0		2.2 (ETTG is 2.3)	
22	0.74	1.8		2.0	
24	0.81	1.6		1.9 (EPI & EE are 1.8)	
26	0.88	1.5		1.7	
27	0.91	1.4		1.7 (EPI & EE are 1.6)	
28	0.95	1.4 (EPI & EE are 1.3)		1.6	
30	1.01	1.3 (EPI & EE are 1.2)		1.5	

Enfamil NeuroPro Infant, Enfamil PREMIUM Infant, Enfamil Infant, Enfamil Enspire, Enfamil ProSobee and Enfagrow Toddler Transitions Gentlease should be measured with unpacked, level scoops. Nutramigen with Enflora LGG Toddler should be measured with packed, level scoops.

- One scoop of Enfamil NeuroPro Infant, Enfamil PREMIUM Infant, Enfamil Infant and Enfamil Enspire powder provides 44 Calories
- One scoop of Enfamil ProSobee, Enfagrow Toddler Transitions Gentlease and Nutramigen with Enflora LGG Toddler provides 45 Calories

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

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

ETTG = Enfagrow Toddler Transitions Gentlease

EPI = Enfamil PREMIUM Infant

EE = Enfamil Enspire

Enfagrow PREMIUM™ Toddler Transitions®, Enfagrow® Toddler Transitions® Soy

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water		Formula Yield	
per fl oz‡	per mL	(fl oz)	(fl oz)	(fl oz)	(fl oz)
20	0.68	2.0		2.2 (EPTT is 2.3)	
22	0.74	1.8		2.0 (EPTT is 2.1)	
24	0.81	1.6 (EPTT is 1.7)		1.8 (EPTT is 1.9)	
26	0.88	1.5		1.7 (EPTT is 1.8)	
27	0.91	1.4 (EPTT is 1.5)		1.6 (EPTT is 1.7)	
28	0.95	1.3 (EPTT is 1.4)		1.6	
30	1.01	1.2 (EPTT is 1.3)		1.5	

Enfagrow PREMIUM Toddler Transitions and Enfagrow Toddler Transitions Soy should be measured with unpacked, level scoops.

- One scoop of powder provides 45 Calories

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

EPTT=Enfagrow PREMIUM Toddler Transitions

Nutramigen® with Enflora™ LGG®§

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water		Formula Yield	
per fl oz‡	per mL	(fl oz)	(fl oz)	(fl oz)	(fl oz)
20	0.68	2.0		2.3	
22	0.74	1.9		2.1	
24	0.81	1.7		1.9	
26	0.88	1.5		1.8	
27	0.91	1.5		1.7	
28	0.95	1.4		1.6	
30	1.01	1.3		1.5	

Nutramigen with Enflora LGG powder should be measured with packed, level scoops.

- One scoop of powder provides 45 Calories

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

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

PurAmino™

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	1.0	1.1
22	0.74	0.9	1.0
24	0.81	0.8	0.9
26	0.88	0.7	0.9
27	0.91	0.7	0.8
28	0.95	0.7	0.8
30	1.01	0.6	0.8

PurAmino powder should be measured with unpacked, level scoops.

- One scoop of powder provides 22 Calories

PurAmino™ Toddler

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
24	0.81	1.3	1.5
26	0.88	1.2	1.4
27	0.91	1.1	1.3
28	0.95	1.1	1.3
30	1.01	1.0	1.2

PurAmino Toddler formula should be measured with unpacked, level scoops.

- One scoop of powder provides 36 Calories

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

Pregestimil®

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	2.0	2.2
22	0.74	1.8	2.0
24	0.81	1.6	1.9
26	0.88	1.5	1.7
27	0.91	1.4	1.6
28	0.95	1.4	1.6
30	1.01	1.2	1.5

Pregestimil powder should be measured with packed, level scoops.

- One scoop of powder provides 45 Calories

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

Enfamil PREMIUM® Newborn, Enfamil NeuroPro™ Gentlease®, Enfamil PREMIUM® Gentlease®, Enfamil® Gentlease®, Enfamil® Reguline®

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	2.0	2.2 (EPN is 2.3)
22	0.74	1.8 (EPN is 1.9)	2.0 (EPN is 2.1)
24	0.81	1.6 (EPN is 1.7)	1.8 (EPN is 1.9)
26	0.88	1.5	1.7 (EPN is 1.8)
27	0.91	1.4 (EPN is 1.5)	1.6 (EPN is 1.7)
28	0.95	1.4	1.6
30	1.01	1.3	1.5

Enfamil PREMIUM Newborn, Enfamil NeuroPro Gentlease, Enfamil PREMIUM Gentlease, Enfamil Gentlease and Enfamil Reguline should be measured with unpacked, level scoops.

- One scoop of Enfamil PREMIUM Newborn powder provides 46 Calories
- One scoop of Enfamil NeuroPro Gentlease, Enfamil PREMIUM Gentlease, Enfamil Gentlease and Enfamil Reguline powder provides 44 Calories

‡ Fluid ounce measures in the above table are rounded to the nearest 0.1 fl oz
EPN=Enfamil PREMIUM Newborn

Enfamil® EnfaCare®

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	2.2	2.5
22	0.74	2.0	2.2
24	0.81	1.8	2.0
26	0.88	1.6	1.9
27	0.91	1.6	1.8
28	0.95	1.5	1.8
30	1.01	1.4	1.6

Enfamil EnfaCare powder should be measured with unpacked, level scoops.

- One scoop of powder provides 49 Calories

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

Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor, Enfagrow® Toddler Next Step™ Vanilla Flavor

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	1.8	2.0
24	0.81	1.4	1.6
27	0.91	1.2	1.5
30	1.01	1.1	1.3

Enfagrow PREMIUM Toddler Next Step Natural Milk Flavor and Enfagrow Toddler Next Step Vanilla Flavor formula should be measured with unpacked, level scoops.

- One scoop of powder provides 40 Calories

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

Portagen®

Per 1 Scoop

Calories Desired		Add 1 scoop powder to water	Formula Yield
per fl oz [‡]	per mL	(fl oz)	(fl oz)
20	0.68	2.0	2.2
22	0.74	1.8	2.0
24	0.81	1.6	1.8
27	0.91	1.4	1.6
30	1.01	1.2	1.5

Portagen should be measured with packed, level scoops.

- One scoop of powder provides 44 Calories

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

GRAM WEIGHTS FOR SCOOPS AND CUPS, CALORIES PER GRAM AND WATER DISPLACED BY 1 G POWDER

Formula	Scoop (grams)	Measuring cup (grams)	Calories/gram	Water (mL) displaced by 1 g powder
3232 A	No Scoop	162 [§]	5.0 [#]	0.82
BCAD 1	4.5	114	5.0	0.77
BCAD 2	14.5	141	4.1	0.67
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	9	108 [§]	4.4	0.74
Enfagrow PREMIUM™ Toddler Transitions®	9	97 [§]	5.1	0.78
Enfagrow® Toddler Next Step™ Vanilla	9	108 [§]	4.4	0.73
Enfagrow® Toddler Transitions® Gentlease®	9	108 [§]	5.0	0.76
Enfagrow® Toddler Transitions® Soy	9.4	101 [§]	4.7	0.74
Enfamil A.R.™	9	97 [§]	5.0	0.76
Enfamil® EnfaCare®	9.8	107 [§]	5.0	0.78
Enfamil® Enspire™	8.8	114	5.0	0.77
Enfamil® Gentlease®	8.7	111 [§]	5.1	0.76
Enfamil® Infant	8.8	113 [§]	5.1	0.77
Enfamil NeuroPro™ Gentlease®	8.7	111 [§]	5.1	0.77
Enfamil NeuroPro™ Infant	8.8	113 [§]	5.1	0.77
Enfamil PREMIUM® Gentlease®	8.7	111 [§]	5.1	0.77
Enfamil PREMIUM® Infant	8.8	113 [§]	5.0	0.77
Enfamil PREMIUM® Newborn	9	118 [§]	5.1	0.77
Enfamil® ProSobee®	8.8	101 [§]	5.1	0.77
Enfamil® Reguline®	8.7	112 [§]	5.1	0.76
GA	4.5	114	5.0	0.77
HCY 1	4.5	112	5.0	0.76
HCY 2	14.5	149	4.1	0.68
LMD	4.5	115	5.0	0.76
Nutramigen® with Enfliora™ LGG ^{§§}	9 [§]	102 ^{§§}	5.1	0.77
Nutramigen® with Enfliora™ LGG® Toddler	9.3 [§]	106 ^{§§}	4.8	0.74
OA 1	4.5	112	5.0	0.76
OA 2	14.5	140	4.1	0.68
PFD 2	14.9	136	4.0	0.65
PFD Toddler	4.5	108	5.3	0.78
Phenyl-Free® 1	4.5	112	5.0	0.76
Phenyl-Free® 2	14.4	140	4.1	0.67
Phenyl-Free® 2 HP	15.1	152	3.9	0.67
Portagen®	9.4 [§]	122 ^{§§}	4.7	0.75
Pregestimil®	8.9 [§]	128 [§]	5.0	0.78
PurAmino™	4.5	115 [§]	5.0	0.77
PurAmino™ Toddler	7.2	115	5.0	0.77
TYROS 1	4.5	115	5.0	0.77
TYROS 2	14.5	144	4.1	0.67
WND® 1	4.5	111	5.0	0.75
WND® 2	14.5	145	4.1	0.68

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

¶ Values derived from grams/qt or other values.

|| Packed level measure. All others are unpacked level measures.

Powder only (not prepared with added ingredients).

INFANT FORMULA NURSETTE® BOTTLE OR BREAST MILK PREPARATION

20–30 Calories per fl oz

These are general guidelines provided as a convenience. They are based on calculated results of mixing; not clinically tested. Household measures are approximations; measuring liquids in milliliters (mL), or weighing powder, provides the most accurate final dilution. See page 255 for product-specific household measure.

- The choices of caloric level and additions to infant formula or breast milk 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
- **If adding Nutramigen® with Enflora™ LGG®*, Enfamil® ProSobee®, Enfamil A.R.™ or Pregestimil®, use only gram measurements**

Starting with 20 Calories/fl oz, 2 fl oz (formula† or breast milk)

Choose one additive:

Formula [†]	Goal, Calories/fl oz		
	22	24	27
Powder Formula [‡]	0.9 g (~½ tsp)	1.8 g (~¾ tsp)	3.2 g (~1 ½ tsp)
Enfamil PREMIUM® Infant Powder Formula	0.9 g (~¼ tsp)	1.8 g (~¾ tsp)	3.2 g (~1 ¼ tsp)
Concentrated Liquid Formula [§]	7 mL (~1 ½ tsp)	15 mL (~1 Tbsp)	32 mL (~2 Tbsp)

† Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then under direct medical supervision of preparation and use.

‡ Enfamil® Infant and Enfamil® Gentlease® powder were used for mixing to alternate dilutions.

§ Enfamil Infant concentrate was used for mixing to alternate dilutions.

Starting with 22 Calories/fl oz, 2 fl oz (formula[†])

Choose one additive:

Goal, Calories/fl oz	Water	Powder Formula [†]	Concentrated Liquid Formula [§]
20	6 mL (~1 tsp)	—	—
24	—	0.9 g (~ ½ tsp)	7 mL (~1 ½ tsp)
27	—	2.3 g (~1 tsp)	23 mL (~1 Tbsp + 1 ½ tsp)
30	—	3.8 g (~1 ½ tsp)	47 mL (~3 Tbsp)

† Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then under direct medical supervision of preparation and use.

§ Enfamil® Infant concentrate was used for mixing to alternate dilutions.

|| Enfamil® EnfaCare® powder was used for mixing to alternate dilutions.

Starting with 24 Calories/fl oz, 2 fl oz (formula[†] or fortified breast milk)

Choose one additive:

Goal, Calories/fl oz	Water	Powder Formula [†]	Concentrated Liquid Formula [§]
20	12 mL (~2 ½ tsp)	—	—
22	5 mL (~1 tsp)	—	—
27	—	1.4 g (~ ½ tsp)	14 mL (~ 1 Tbsp)
30	—	2.8 g (~1 ¼ tsp)	35 mL (~2 Tbsp + 1 tsp)

† Powdered products are not commercially sterile and should not be fed to premature infants or immunocompromised patients, unless clinically required, and then under direct medical supervision of preparation and use.

§ Enfamil® Infant concentrate was used for mixing to alternate dilutions.

¶| Enfamil Infant powder formula was used for mixing to alternate dilutions.

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

FROM CONCENTRATE*

* These dilutions can be used with the following Mead Johnson concentrate formulas.

Enfamil® Infant, Nutramigen® and Enfamil® ProSobee®

13 fl oz Can

Calories Desired per fl oz	Fl oz of water to add to 13 fl oz can of concentrated liquid	Formula Yield (fl oz)
20	13	26
22	10.5	23.5
24	8.5	21.5
26	7	20
27	6	19
28	5.5	18.5
30	4.5	17.5

- One 13 oz can of concentrated liquid provides 520 Calories
- One fl oz of undiluted concentrated liquid provides 40 Calories
- One-half fl oz of water = 1 tablespoon

Approximate Conversions

POPULAR MEASURES

U.S. Measures	Metric
1 teaspoon	5 mL
1 tablespoon (½ fl oz)	15 mL
1 cup (8 fl oz)	237 mL
1 pint (16 fl oz)	473 mL
1 quart (32 fl oz)	946 mL

AVOIRDUPOIS

U.S. Measures	Metric
1 oz	28.35 g
1 lb	453.6 g
2.2 lb	1000 g (1 kilogram)

To convert:

Pounds to grams, multiply by 453.6
Grams to pounds, divide by 453.6

LIQUID MEASURES

Metric	Apothecary
1000 mL	1.06 quart
946 mL	1 quart
500 mL	1.06 pint
473 mL	1 pint
100 mL	3.38 fl oz
29.57 mL	1 fl oz

To convert:

Milliliters to fl oz, divide by 29.57
Fl oz to milliliters, multiply by 29.57

TEMPERATURES

Centigrade		Fahrenheit
0°	Water freezes	32°
22°	Room temperature	72°
37°	Body temperature	98.6°
100°	Water boils	212°
121°	Autoclave temperature	250°

To convert:

Centigrade to Fahrenheit:
1. Multiply by 9
2. Divide by 5
3. Add 32

Fahrenheit to Centigrade:

1. Subtract 32
2. Multiply by 5
3. Divide by 9

Caloric Distribution

CALORIC DISTRIBUTION (% of calories)			
	Protein	Fat	Carbohydrate
3232 A (made with 81 g powder and 59 g added carbohydrate)	11	35	54
3232 A (without carbohydrate)	18	56	26
BCAD 1*	13	47	40
BCAD 2*	24	19	57
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	16	35	49
Enfagrow PREMIUM™ Toddler Next Step™ Ready-to-Drink – Natural Milk Flavor	16	35	49
Enfagrow PREMIUM™ Toddler Transitions®	10	48	42
Enfagrow® Toddler Next Step™ – Vanilla	16	35	49
Enfagrow® Toddler Next Step™ Ready-to-Drink – Vanilla	16	35	49
Enfagrow® Toddler Transitions® Gentlelease®	10	48	42
Enfagrow® Toddler Transitions® Soy	13	40	47
Enfamil® 24	8.5	48	43.5
Enfamil A.R.™	10	46	44
Enfamil® EnfaCare®	11	47	42
Enfamil® Enfalyte®	0	0	100
Enfamil® Enspire™	8.5	48	43.5
Enfamil® Gentlelease®	9	48	43
Enfamil® Human Milk Fortifier Acidified Liquid†	29	65	6
Enfamil® Human Milk Fortifier Powder†	32	62	6
Enfamil® Infant	8	48	44
Enfamil NeuroPro™ Gentlelease®	9	48	43
Enfamil NeuroPro™ Infant	8	48	44
Enfamil® Premature 20	13	44	43
Enfamil® Premature 24	13	44	43
Enfamil® Premature 24 High Protein	14	44	42
Enfamil® Premature 30	13	44	43
Enfamil PREMIUM® Gentlelease®	9	48	43

CALORIC DISTRIBUTION (% of calories)			
	Protein	Fat	Carbohydrate
Enfamil PREMIUM® Infant	8	48	44
Enfamil PREMIUM® Newborn	8.5	48	43.5
Enfamil® ProSobee®	10	48	42
Enfamil® Reguline®	9	48	43
Enfaport™	14	46	40
GA*	12	47	41
HCY 1*	13	47	40
HCY 2*	22	19	59
LMD*	13	47	40
Nutramigen®	11	48	41
Nutramigen® with Enflo™ LGG®‡	11	48	41
Nutramigen® with Enflo™ LGG®‡ Toddler	10	39	51
OA 1*	12	47	41
OA 2*	21	20	59
PFD 2*	0	11	89
PFD Toddler*	0	54	46
Phenyl-Free® 1*	13	47	40
Phenyl-Free® 2*	22	19	59
Phenyl-Free® 2 HP*	41	15	44
Portagen®	14	40	46
Pregestimil® 20 2 fl oz	11	49	40
Pregestimil® 24 Liquid & 20 Powder	11	49	40
PurAmino™	11	47	42
PurAmino™ Toddler	11	47	42
TYROS 1*	13	47	40
TYROS 2*	22	19	59
WND® 1*	5	47	48
WND® 2*	8	23	69

* Protein is incomplete, since one or more of the amino acids is missing or provided in very low amounts. Protein is comprised of amino acids, and the amounts are calculated as nitrogen (g) x 6.25 g of protein/g of nitrogen.

† Values are for human milk fortifier alone, not mixed with human milk.

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

Kosher and Halal Products

Kosher-certified products will have a “U” within a circle in the product label.

The following Mead Johnson Nutrition products are manufactured under the supervision of the Kashruth Division of the Union of Orthodox Jewish Congregations of America, and are kosher and pareve when bearing the O.U. symbol of certification on the label, and are kosher and contain dairy ingredients when bearing the O.U.D. symbol of certification on the label.

KOSHER	
Product	Kosher Designation
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor Powder	O.U.D.
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor Ready-to-Use	O.U.D.
Enfagrow PREMIUM™ Toddler Transitions®	O.U.D.
Enfagrow® Toddler Next Step™ Vanilla Powder	O.U.D.
Enfagrow® Toddler Next Step™ Vanilla Ready-to-Use	O.U.D.
Enfagrow® Toddler Transitions® Gentlelease®	O.U.D.
Enfagrow® Toddler Transitions® Soy	O.U. Pareve*
Enfamil® 24	O.U.D.
Enfamil® 5% Glucose in Water	O.U. Pareve*
Enfamil A.R.™	O.U.D.
Enfamil® D-Vi-Sol®	O.U.
Enfamil® EnfaCare®	O.U.D.
Enfamil® Enfalyte®	O.U. Pareve*
Enfamil® Enspire™	O.U.D.
Enfamil® Fer-In-Sol®†	O.U.
Enfamil® Gentlelease®	O.U.D.
Enfamil® Human Milk Fortifier Powder	O.U.D.
Enfamil® Infant	O.U.D.
Enfamil NeuroPro™ Gentlelease®	O.U.D.
Enfamil NeuroPro™ Infant	O.U.D.
Enfamil® Poly-Vi-Sol®	O.U.
Enfamil® Poly-Vi-Sol® with Iron	O.U.
Enfamil® Premature 20 Cal	O.U.D.
Enfamil® Premature 24 Cal	O.U.D.
Enfamil® Premature 24 Cal High Protein	O.U.D.
Enfamil® Premature 30 Cal	O.U.D.
Enfamil PREMIUM® Gentlelease®	O.U.D.
Enfamil PREMIUM® Infant	O.U.D.
Enfamil PREMIUM® Newborn	O.U.D.
Enfamil® ProSobee® Powder	O.U. Pareve*
Enfamil® Reguline®	O.U.D.
Enfamil® Tri-Vi-Sol®	O.U.
Enfamil® Water for Oral Use	O.U. Pareve*
Enfaport™	O.U.D.
Portagen®	O.U.D.
PurAmino™	O.U.D.
PurAmino™ Toddler	O.U.D.

* Pareve ingredients: manufactured on dairy equipment.

† The alcohol in Enfamil Fer-In-Sol is not approved for Passover.

HALAL	
Product	
BCAD 1	
BCAD 2	
Enfamil® EnfaCare® Ready-to-Use Liquid	
Enfamil® Human Milk Fortifier Powder	
Enfamil® Premature 20 Cal	
Enfamil® Premature 24 Cal	
Enfamil® Premature High Protein 24 Cal	
Enfamil® Premature 30 Cal	
GA	
HCY 1	
HCY 2	
LMD	
OA 1	
OA 2	
PFD 2	
Phenyl-Free® 1	
Phenyl-Free® 2	
Phenyl-Free® 2 HP	
PurAmino™	
PurAmino™ Toddler	
TYROS 1	
TYROS 2	
WND® 1	
WND® 2	

Osmolality/Osmolarity

Formula	Calories /fl oz	Osmolality mOsm/kg water	Osmolarity mOsm/L
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	23	N/A	N/A
Enfagrow PREMIUM™ Toddler Next Step™ Ready-to-Drink – Natural Milk Flavor	20	N/A	N/A
Enfagrow PREMIUM™ Toddler Transitions®	20	270	240
Enfagrow® Toddler Next Step™ Vanilla	23	N/A	N/A
Enfagrow® Toddler Next Step™ Ready-to-Drink – Vanilla	20	N/A	N/A
Enfagrow® Toddler Transitions® Gentlease®	20	230	210
Enfagrow® Toddler Transitions® Soy	20	230	200
Enfamil® 24	24	370	320
Enfamil A.R.™ Powder	20	230	210
Enfamil A.R.™ Ready-to-Use (2 fl oz)	20	240	210
Enfamil A.R.™ Ready-to-Use (8 fl oz)	20	240	210
Enfamil® EnfaCare® Powder	22	310	270
Enfamil® EnfaCare® Ready-to-Use (2 fl oz)	22	230	200
Enfamil® EnfaCare® Ready-to-Use (8 fl oz)	22	230	200
Enfamil® Enfalyte® Cherry Splash	3.7	200	200
Enfamil® Enfalyte® Mixed Fruit	3.7	210	210
Enfamil® Enfalyte® Unflavored	3.7	160	157
Enfamil® Enspire™	20	300	270
Enfamil® Gentlease® Powder	20	220	200
Enfamil® Gentlease® Liquid	20	220	200
Enfamil® Human Milk Fortifier Acidified Liquid	30 Cal/4 vials	+36*	N/A
Enfamil® Human Milk Fortifier Powder	14 Cal/4 packets	+35*	N/A
Enfamil® Infant	20	300	270
Enfamil NeuroPro™ Gentlease®	20	230	210
Enfamil NeuroPro™ Infant	20	300	270
Enfamil® Premature 20 Cal	20	260	230
Enfamil® Premature 24 Cal	24	320	280

Formula	Calories /fl oz	Osmolality mOsm/kg water	Osmolarity mOsm/L
Enfamil® Premature 24 Cal High Protein	24	300	260
Enfamil® Premature 30 Cal	30	320	270
Enfamil PREMIUM® Gentlease® Powder	20	230	210
Enfamil PREMIUM® Gentlease® Ready-to-Use (2, 6, 8 & 32 fl oz)	20	200	180
Enfamil PREMIUM® Infant	20	300	270
Enfamil PREMIUM® Newborn	20	300	270
Enfamil® ProSobee® Powder	20	178	160
Enfamil® ProSobee® Ready-to-Use (2 fl oz)	20	200	180
Enfamil® ProSobee® Ready-to-Use (6 & 32 fl oz)	20	170	153
Enfamil® ProSobee® Concentrates & 8 fl oz Ready-to-Use	20	170	155
Enfamil® Reguline® Powder	20	250	230
Enfaport™	30	360	310
Nutramigen® Ready-to-Use (2 & 6 fl oz)	20	320	290
Nutramigen® Ready-to-Use (8 & 32 fl oz)	20	270	240
Nutramigen® Concentrate	20	260	230
Nutramigen® with Enflo™ LGG ^{®1}	20	300	270
Nutramigen® with Enflo™ LGG ^{®1} Toddler	20	300	270
Portagen®	30	350	290
Pregestimil® Powder	20	320	280
Pregestimil® 20 Cal Ready-to-Use	20	290	260
Pregestimil® 24 Cal Ready-to-Use	24	340	310
PurAmino™	20	350	320

N/A=Not Available

Osmolalities for formulas are Mead Johnson analytical values.

Osmolarity is calculated from osmolality data.

* Value for Enfamil Human Milk Fortifier Acidified Liquid and Enfamil Human Milk Fortifier Powder reflects the increase in osmolality when added to preterm breast milk according to directions.

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

Potential Renal Solute Load¹

Formula	Calories /fl oz	mOsm /100 Cal	mOsm /100 mL
3232 A (with carbohydrate)	20	25	16.5
3232 A (without carbohydrate)	12.7	39	16.5
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	23	34	26
Enfagrow PREMIUM™ Toddler Next Step™ Ready-to-Drink Natural Milk Flavor	20	33	22
Enfagrow PREMIUM™ Toddler Transitions®	20	26	17.6
Enfagrow® Toddler Next Step™ Vanilla	23	34	26
Enfagrow® Toddler Next Step™ Ready-to-Drink Vanilla	20	33	22
Enfagrow® Toddler Transitions® Gentlease®	20	26	17.8
Enfagrow® Toddler Transitions® Soy	20	30	20
Enfamil® 24	24	19.1	15.4
Enfamil A.R.™	20	23	15.3
Enfamil® EnfaCare® Powder	22	25	18.4
Enfamil® EnfaCare® Liquid	22	25	18.4
Enfamil® Enfalyte®	3.7	96	12
Enfamil® Enspire™	20	19.1	12.9
Enfamil® Gentlease®	20	21	14
Enfamil® Human Milk Fortifier Acidified Liquid	30 (per 4 vials)	59 (per 100 Calories of EHMFL only)	90 (EHMFAL only)
Enfamil® Human Milk Fortifier Powder	14 (per 4 packets)	29 (4 packets + 100 mL of PTHM)	23 (4 packets + 100 mL of PTHM)
Enfamil® Infant	20	18.6	12.5
Enfamil NeuroPro™ Gentlease®	20	21	14
Enfamil NeuroPro™ Infant	20	18.6	12.5
Enfamil® Premature 20	20	30	20
Enfamil® Premature 24	24	30	25
Enfamil® Premature 24 High Protein	24	32	26
Enfamil® Premature 30	30	30	30

Formula	Calories /fl oz	mOsm /100 Cal	mOsm /100 mL
Enfamil PREMIUM® Gentlease® Powder	20	21	14
Enfamil PREMIUM® Gentlease® Ready-to-Use (32 fl oz)	20	21	14.2
Enfamil PREMIUM® Infant	20	18.6	12.5
Enfamil PREMIUM® Newborn	20	19.1	12.9
Enfamil® ProSobee®	20	23	15.6
Enfamil® Reguline®	20	21	14
Enfaport™	30	28	29
Nutramigen®	20	25	16.9
Nutramigen® with Enflo™ LGG ^{®*}	20	25	16.9
Nutramigen® with Enflo™ LGG ^{®*} Toddler	20	24	15.9
Portagen®	30	30	30
Pregestimil® 20 Powder & RTU	20	25	16.9
Pregestimil® 24 RTU	24	25	20
PurAmino™	20	25	16.9
PurAmino™ Toddler	30	25	25

METABOLIC INFANT/TODDLER FORMULAS

Formula	mOsm /100 g powder
BCAD 1	147
GA	140
HCY 1	144
LMD	145
QA 1	142
PFD Toddler	62
Phenyl-Free® 1	144
TYROS 1	148
WND® 1	88

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

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

Product Amino Acid Compositions

ESSENTIAL AMINO ACIDS								
	Histidine		Isoleucine		Leucine		Lysine	
	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*
3232 A	—	660	—	1280	—	2200	—	1850
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	116	520	210	930	400	1800	340	1500
Enfagrow PREMIUM™ Toddler Next Step™ Ready-to-Drink Natural Milk Flavor	116	520	210	930	400	1800	340	1500
Enfagrow PREMIUM™ Toddler Transitions®	75	380	135	680	260	1320	220	1100
Enfagrow® Toddler Next Step™ Vanilla	116	520	210	930	400	1800	340	1500
Enfagrow® Toddler Next Step™ Ready-to-Drink Vanilla	116	520	210	930	400	1800	340	1500
Enfagrow® Toddler Transitions® Gentlease®	65	320	151	750	280	1380	230	1160
Enfagrow® Toddler Transitions® Soy	86	410	152	720	260	1240	210	990
Enfamil® 24	48	—	128	—	230	—	200	—
Enfamil A.R.™	73	360	130	640	250	1250	210	1040
Enfamil® EnfaCare®	64	320	171	850	310	1530	260	1290
Enfamil® Gentlease®	58	290	133	680	250	1250	210	1050
Enfamil® Infant	50	250	116	590	210	1080	180	910
Enfamil® Premature 20, 24 & 30 Cal	76	—	200	—	360	—	310	—
Enfamil® Premature 24 High Protein	83	—	220	—	400	—	330	—
Enfamil PREMIUM® Gentlease®	58	290	133	680	250	1250	210	1050
Enfamil PREMIUM® Infant	50	250	116	590	210	1080	180	910
Enfamil PREMIUM® Newborn	48	250	128	650	230	1180	200	1000
Enfamil® ProSobee®	65	330	115	580	200	1000	158	800
Enfamil® Reguline®	58	290	133	680	250	1250	210	1050
Enfaport™	88	—	200	—	370	—	320	—
Nutramigen®	84	—	162	—	270	—	240	—
Nutramigen® with Enflora™ LGG®†	84	420	162	810	270	1370	240	1180
Nutramigen® with Enflora™ LGG®† Toddler	75	360	145	700	250	1180	210	1010
Pregestimil®	84	420	162	810	270	1370	240	1180
PurAmino™	73	360	190	950	340	1710	220	1110
PurAmino™ Toddler	73	360	190	950	340	1710	220	1110

* Powder only.

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

ESSENTIAL AMINO ACIDS													
Methionine		Cysteine		Phenylalanine		Tyrosine		Threonine		Tryptophan		Valine	
mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*
—	570	—	380	—	1080	—	590	—	1010	—	360	—	1580
100	450	36	160	200	890	200	890	184	820	56	250	250	1120
100	450	36	160	200	890	200	890	184	820	56	250	250	1120
65	330	23	118	130	660	130	660	120	600	37	185	164	830
100	450	36	160	200	890	200	890	184	820	56	250	250	1120
100	450	36	160	200	890	200	890	184	820	56	250	250	1120
60	300	47	230	109	540	104	520	159	790	46	230	159	790
73	350	41	193	175	830	125	600	129	610	48	230	155	740
46	—	48	—	80	—	74	—	145	—	41	—	128	—
63	310	23	112	125	620	125	620	115	570	35	175	158	780
62	310	64	320	106	530	98	490	193	960	54	270	171	850
53	270	42	210	97	490	92	470	140	710	40	200	140	710
46	230	36	184	84	420	80	400	122	620	35	177	122	620
73	—	76	—	125	—	116	—	230	—	64	—	200	—
79	—	83	—	137	—	126	—	250	—	69	—	220	—
53	270	42	210	97	490	92	470	140	710	40	200	140	710
46	230	36	184	84	420	80	400	122	620	35	177	122	620
46	240	48	250	80	410	74	370	145	740	41	210	128	650
63	320	31	156	133	670	95	480	98	500	37	185	118	600
53	270	42	210	97	490	92	470	140	710	40	200	140	710
81	—	64	—	147	—	140	—	210	—	61	—	210	—
73	—	48	—	137	—	59	—	129	—	46	—	200	—
73	360	48	240	137	690	59	290	129	640	46	230	200	1010
65	310	60	290	123	590	80	380	115	550	46	220	180	860
73	360	48	240	137	690	59	290	129	640	46	230	200	1010
64	320	73	360	140	700	151	750	171	850	67	330	210	1060
64	320	73	360	140	700	151	750	171	850	67	330	210	1060

Contact Medical Services for additional details.

Product Amino Acid Compositions

NONESSENTIAL AMINO ACIDS

	Arginine		Alanine		Aspartic Acid		Glutamic Acid	
	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*
3232 A	—	880	—	750	—	1670	—	5100
Enfagrow PREMIUM™ Toddler Next Step™ Natural Milk Flavor	140	620	136	610	320	1420	880	3900
Enfagrow PREMIUM™ Toddler Next Step™ Ready-to-Drink Natural Milk Flavor	140	620	136	610	320	1420	880	3900
Enfagrow PREMIUM™ Toddler Transitions®	91	460	88	450	210	1050	570	2900
Enfagrow® Toddler Next Step™ Vanilla	140	620	136	610	320	1420	880	3900
Enfagrow® Toddler Next Step™ Ready-to-Drink Vanilla	140	620	136	610	320	1420	880	3900
Enfagrow® Toddler Transitions® Gentlease®	78	390	114	570	250	1260	520	2600
Enfagrow® Toddler Transitions® Soy	240	1160	142	680	380	1810	620	3000
Enfamil® 24	59	—	103	—	220	—	410	—
Enfamil A.R.™	88	430	85	420	200	990	550	2700
Enfamil® EnfaCare®	78	390	137	680	300	1490	540	2700
Enfamil® Gentlease®	69	350	101	510	230	1150	460	2300
Enfamil® Infant	60	300	88	440	200	990	400	2000
Enfamil® Premature 20, 24 & 30 Cal	92	—	162	—	350	—	640	—
Enfamil® Premature 24 High Protein	101	—	176	—	390	—	700	—
Enfamil PREMIUM® Gentlease®	69	350	101	510	230	1150	460	2300
Enfamil PREMIUM® Infant	60	300	88	440	200	990	400	2000
Enfamil PREMIUM® Newborn	59	300	103	520	220	1140	410	2100
Enfamil® ProSobee®	185	940	108	550	290	1460	470	2400
Enfamil® Reguline®	69	350	101	510	230	1150	460	2300
Enfaport™	105	—	154	—	340	—	700	—
Nutramigen®	112	—	95	—	210	—	640	—
Nutramigen® with Enflora™ LGG [†]	112	560	95	480	210	1060	640	3200
Nutramigen® with Enflora™ LGG [†] Toddler	100	480	85	410	190	910	580	2800
Pregestimil®	112	560	95	480	210	1060	640	3200
PurAmino™	148	740	270	1350	560	2800	168	830
PurAmino™ Toddler	148	740	270	1350	560	2800	168	830

* Powder only.

† LGG[†] is a registered trademark of Chr. Hansen A/S.

	Glycine		Proline		Serine	
	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*	mg/100 Cal	mg/100 g*
—	460	—	2300	—	1280	
80	360	400	1760	230	1030	
80	360	400	1760	230	1030	
52	260	260	1300	151	760	
80	360	400	1760	230	1030	
80	360	400	1760	230	1030	
52	260	210	1030	148	740	
135	640	162	770	168	800	
42	—	149	—	120	—	
50	250	250	1230	145	720	
56	280	200	990	160	790	
46	230	184	940	131	670	
40	200	160	810	114	580	
66	—	230	—	188	—	
72	—	260	—	210	—	
46	230	184	940	131	670	
40	200	160	810	114	580	
42	210	149	760	120	610	
103	520	123	620	128	650	
46	230	184	940	131	670	
70	—	280	—	200	—	
59	—	290	—	162	—	
59	290	290	1470	162	810	
53	250	260	1260	145	700	
59	290	290	1470	162	810	
73	360	280	1390	171	850	
73	360	280	1390	171	850	

Contact Medical Services for additional details.

Metabolic Formula Amino Acid Compositions

ESSENTIAL AMINO ACIDS											
	Histidine	Isoleucine	Leucine	Lysine	Methionine	Cysteine	Phenylalanine	Tyrosine	Threonine	Tryptophan	Valine
mg/100 g powder											
BCAD 1	550	0	0	1770	470	340	920	920	760	410	0
BCAD 2	890	0	0	2900	770	550	1490	1490	1220	650	0
GA	420	1210	2200	0	360	260	710	710	790	0	1310
HCY 1	410	1150	2100	1310	0	600	680	680	760	310	1260
HCY 2	550	1560	2900	1780	0	810	920	920	1030	420	1720
LMD	470	580	0	1510	410	290	780	780	870	340	630
OA 1	470	0	2400	1510	0	290	790	790	0	350	0
OA 2	650	0	3400	2100	0	420	1110	1110	0	480	0
PFD 2	0	0	0	0	0	0	0	0	0	0	0
PFD Toddler	0	0	0	0	0	0	0	0	0	0	0
Phenyl-Free® 1	410	1150	2100	1300	360	240	0	1600	750	290	1250
Phenyl-Free® 2	550	1560	2900	1760	480	330	0	2200	1010	400	1690
Phenyl-Free® 2 HP	1000	2800	5200	3200	880	600	0	4000	1840	720	3100
Portagen®	480	840	1580	1340	460	71	870	960	730	260	1090
TYROS 1	420	1200	2200	1370	370	270	0	0	780	320	1320
TYROS 2	550	1580	2900	1800	480	350	0	0	1030	420	1740
WND® 1	430	990	1930	1230	240	200	670	800	850	380	990
WND® 2	520	1190	2400	1490	300	240	800	960	1020	460	1190

NONESSENTIAL AMINO ACIDS							
	Arginine	Alanine	Aspartic Acid	Glutamic Acid	Glycine	Proline	Serine
mg/100 g powder							
BCAD 1	1180	1280	1560	3100	710	1560	780
BCAD 2	1730	1870	2300	4500	1030	2300	1130
GA	1040	3600	1360	0	1040	1360	710
HCY 1	990	1070	1300	2600	580	1300	650
HCY 2	1340	1450	1760	3500	790	1760	880
LMD	1100	4900	1430	0	1100	1430	750
OA 1	1000	4600	1320	0	1000	1320	690
OA 2	1340	6100	1760	0	1340	1760	920
PFD 2	0	0	0	0	0	0	0
PFD Toddler	0	0	0	0	0	0	0
Phenyl-Free® 1	970	1070	1280	2600	580	1280	630
Phenyl-Free® 2	1320	1450	1740	3500	790	1740	860
Phenyl-Free® 2 HP	2400	2600	3200	6300	1440	3200	1560
Portagen®	610	530	1200	3800	310	1800	970
TYROS 1	1100	1200	1450	2900	650	1450	720
TYROS 2	1450	1580	1910	3800	860	1910	950
WND® 1	0	0	0	0	0	0	0
WND® 2	0	0	0	0	0	0	0

Contact Medical Services for additional details.

Healthcare Professional and Consumer Resources

HEALTHCARE PROFESSIONAL RESOURCES

[MeadJohnson.com/pediatrics](https://www.meadjohnson.com/pediatrics)

Your Partner in Pediatric Nutrition

The Mead Johnson Nutrition Healthcare Professional Resource Center provides information for all the Mead Johnson science-based pediatric nutrition products, as well as clinical information.



CONSUMER RESOURCES

Home Delivery for Consumers:
[enfamil.com/Shop](https://www.enfamil.com/Shop)

Store Locator:
[enfamil.com/Store-Locator](https://www.enfamil.com/Store-Locator)

