#1 PEDIATRICIAN RECOMMENDED INFANT FORMULA BRAND

Enfamil™

Pediatric Product *Guide*

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

Mead Johnson Nutrition

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.

hcp.meadjohnson.com
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

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 RB Nutrition.

HEALTH · HYGIENE · HOME

Mead Johnson Nutrition™

Our Mission

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

110+ years of leadership in infant and child nutrition.

#1 PEDIATRICIAN RECOMMENDED BRAND

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

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.

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

Our Legacy: A History of Innovation in Nutrition

1911 **Dextri-Maltose,** the first clinically tested, physician-recommended infant feeding product in the U.S.

1924

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

1929 **Sobee,** the first milk-free, lactose-free infant formula that derived its protein from soy flour.

1933

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

1942 **Nutramigen®,** the first protein hydrolysate formula clinically proven for the management of colic due to cow's milk allergy.

1949

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

1958 **Lofenalac,** the first commercially available formula for infants with phenylketonuria, an inborn error of metabolism.

1959

Enfamil® infant formula was introduced.

1965 **ProSobee®,** the first soy protein infant formula—it is also milk-free, lactose-free and sucrose-free.

1966

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

1971 **Pregestimil®,** the first nutritionally complete protein hydrolysate formula containing MCT oil.

1983

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

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.

1993

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

1994

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

1995

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

1996

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

2002

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

2004

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

2005

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

2010

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

2016

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

2017

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

2018

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

* 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.

Toddler Formulas

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Additional Product Information (cont.)

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

Routine

Infant Formulas

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 infants[7]
- 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 women[3].

§ 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 kcal[8].

¶ 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)
Protein, g	2.1	1.42	10.7
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	4000
Carbohydrate, g	11.2	7.6	57
Water, g	133	90	2
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1530
Vitamin D, IU	75	51	380
Vitamin E, IU	2	1.35	10.2
Vitamin K, mcg	9	6.1	46
Thiamin (Vitamin B_1), mcg	80	54	410
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	310
Vitamin B_{12}, mcg	0.3	0.2	1.53
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	82
Pantothenic acid, mcg	500	340	2600

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Biotin, mcg	3	2	15.3
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	122
Inositol, mg	24	16.2	122
Minerals			
Calcium, mg	78	53	400
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	41
Iron, mg	1.8	1.22	9.2
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	77
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	77
Selenium, mcg	2.8	1.89	14.3
Sodium, mg	27	18.3	138
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8.5
Whey:Casein Ratio	80:20
Fat (% Calories)	48
Carbohydrate (% Calories)	43.5
Potential Renal Solute Load (mOsm/100 Calories)[9]	19.1

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[9]	12.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil PREMIUM® Newborn is available in powder and ready-to-use liquid. For ordering information, please refer to page 299.

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**, *Crypthecodinium 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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**, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, vitamin D_3, biotin, vitamin B_{12}, 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.

References

1. 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.
2. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr.* 1992;81:107-112.
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. 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. Data on file.
9. 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 milk*. Emerging evidence from a recent clinical study showed MFGM in formula supports cognitive development similar to breast milk†. 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 nutrition[1]
- 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[3,§]
  - 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 infants[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

* 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 women[2].

¶ 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 kcal[9].

** 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)
Protein, g	2	1.35	10.2
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	4000
Carbohydrate, g	11.3	7.6	58
Water, g	133	90	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1530
Vitamin D, IU (Pwd)††	75	51	380
Vitamin E, IU	2	1.35	10.2
Vitamin K, mcg	9	6.1	46
Thiamin (Vitamin B_1), mcg	80	54	410
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	310
Vitamin B_{12}, mcg	0.3	0.2	1.53
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	82
Pantothenic acid, mcg	500	340	2600

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	15.3
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	122
Inositol, mg	24	16.2	122
Minerals			
Calcium, mg	78	53	400
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	41
Iron, mg	1.8	1.22	9.2
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	77
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	77
Selenium, mcg	2.8	1.89	14.3
Sodium, mg	27	18.3	138
Potassium, mg	108	73	550
Chloride, mg	63	43	320

†† Vitamin D levels for ready-to-use are: 70 IU, 100kcal and 471/100 mL.

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	44
Potential Renal Solute Load (mOsm/100 Calories)[10]	18.6

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[10]	12.5
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil NeuroPro™ Infant is available in powder and ready-to-use liquid. For ordering information, please refer to page 298.

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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin D_3, vitamin B_{12}, 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D_3, 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

Enfamil 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.
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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.
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9. Data on file.
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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 age[1]. Enfamil PREMIUM Infant is patterned after mature breast milk* 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 infants[6]
- 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 women[2].

§ 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 kcal[9].

¶ 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)
Protein, g	2	1.35	10.1
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	3900
Carbohydrate, g	11.3	7.6	57
Water, g	133	90	2.3
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1510
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10.1
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.51
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	81
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	15.1
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	121
Inositol, mg	24	16.2	121
Minerals			
Calcium, mg	78	53	390
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9.1
Zinc, mg	1	0.68	5
Manganese, mcg	15	10.1	76
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	76
Selenium, mcg	2.8	1.89	14.1
Sodium, mg	27	18.3	136
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	44
Potential Renal Solute Load (mOsm/100 Calories)[10]	**18.6**

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[10]	12.5
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil PREMIUM® Infant is available in powder and ready-to-use liquid. For ordering information, please refer to page 299.

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**, *Crypthecodinium 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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**, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin D_3, vitamin B_{12}, 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**, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, carrageenan, choline chloride, inositol, nucleotides (cytidine 5'-monophosphate, adenosine 5'-monophosphate, disodium uridine 5'-monophosphate, disodium guanosine 5'-monophosphate), vitamin D_3, taurine, L-carnitine.

\# A type of prebiotic.
** A source of arachidonic acid (ARA).
†† A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfamil PREMIUM Infant contains milk and soy.

References

1. 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.
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. 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.
4. 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.
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.
6. 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.
7. 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.
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® 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 age[1]. Enfamil Infant is patterned after mature breast milk* 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 infants[6]
- 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 women[2].

§ 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)
Protein, g	2	1.35	10.1
Fat, g	5.3	3.6	27
Linoleic acid, mg	800	540	4000
Carbohydrate, g	11.3	7.6	57
Water, g	133	90	2.3
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1520
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10.1
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.52
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	81
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Biotin, mcg	3	2	15.2
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	121
Inositol, mg	6	4.1	30
Minerals			
Calcium, mg	78	53	390
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9.1
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	76
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	76
Selenium, mcg	2.8	1.89	14.1
Sodium, mg	27	18.3	136
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	44
Potential Renal Solute Load (mOsm/100 Calories)[9]	**18.6**

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[9]	12.5
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil® Infant is available in powder and concentrate. For ordering information, please refer to page 298.

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¶, *Crypthecodinium 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 B_{12}, vitamin D_3, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, vitamin K_1, 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¶, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin D_3, vitamin B_{12}, 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

1. 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.
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. 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.
4. 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.
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7. 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.
8. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr*. 1992;81:107-112.
9. 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 months[1]
- Lactoferrin, a key protein also in colostrum and breast milk, helps support immune health. It brings Enfamil® composition closer to human milk than ever before[2]
- 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[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 infants[8]
- 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 women[3].

‡ 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)
Protein, g	2.1	1.42	10.5
Fat, g	5.3	3.6	27
Linoleic acid, mg	800	540	4000
Carbohydrate, g	11.2	7.6	56
Water, g	133	90	2.8
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1500
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	700
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.5
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	80
Pantothenic acid, mcg	500	340	2500
Biotin, mcg	3	2	15
Vitamin C (Ascorbic acid), mg	12	8.1	60
Choline, mg	24	16.2	120
Inositol, mg	6	4.1	30
Minerals			
Calcium, mg	78	53	390
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9
Zinc, mg	1	0.68	5
Manganese, mcg	15	10.1	75
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	75
Selenium, mcg	2.8	1.89	14
Sodium, mg	27	18.3	135
Potassium, mg	108	73	540
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8.5
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	43.5
Potential Renal Solute Load (mOsm/100 Calories)[10]	19.1
Potential Renal Solute Load (mOsm/100 mL)[10]	12.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil® Enspire™ is available in powder. For ordering information, please refer to page 298.

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**, *Crypthecodinium 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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.
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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 crying[1]. 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 milk*. Emerging evidence from a recent clinical study showed MFGM in formula supports cognitive development similar to breast milk[1].

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 hours[1]
- Infant formula that has MFGM and DHA is clinically shown to be a safe and well-tolerated source of nutrition[2]
- 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[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 women[3].

‖ 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[6].

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)
Protein, g	2.3	1.56	11.7
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	4000
Carbohydrate, g	10.8	7.3	55
Water, g	133	90	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1530
Vitamin D, IU	60	41	310
Vitamin E, IU	2	1.35	10.2
Vitamin K, mcg	9	6.1	46
Thiamin (Vitamin B_1), mcg	80	54	410
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	310
Vitamin B_{12}, mcg	0.3	0.2	1.53
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	82
Pantothenic acid, mcg	500	340	2600

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Biotin, mcg	3	2	15.3
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	122
Inositol, mg	24	16.2	122
Minerals			
Calcium, mg	82	55	420
Phosphorus, mg	46	31	230
Magnesium, mg	8	5.4	41
Iron, mg	1.8	1.22	9.2
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	77
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	77
Selenium, mcg	2.8	1.89	14.3
Sodium, mg	36	24	184
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	9
Fat (% Calories)	48
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[7]	21

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[7]	14
Osmolality (mOsm/kg water)	230
Osmolarity (mOsm/L)	210
Lactose-free	No

Product Forms

Enfamil NeuroPro Gentlease is available in powder. For ordering information, please refer to page 298.

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 ph osphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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 crying[1]. It has an easy-to-digest milk protein blend patterned after breast milk (whey and casein in a 60:40 ratio)* 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 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[3]
  - 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 hours[1]
- A special blend of easy-to-digest proteins, patterned after the blend of proteins found in breast milk*, 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 women[2].

§ 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[5].

¶ 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
Protein (% Calories)	9
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[6]	21

	20 Calories/fl oz	
	Powder	RTU
Potential Renal Solute Load (mOsm/100 mL)[6]	14	14.2
Osmolality (mOsm/kg water)	230	200
Osmolarity (mOsm/L)	210	180
Lactose-free	No	No

Product Forms

Enfamil PREMIUM® Gentlease® is available in powder and ready-to-use liquid. For ordering information, please refer to page 299.

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**, *Crypthecodinium 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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**, *Crypthecodinium 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 B_{12}, vitamin D_3, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, vitamin K_1, 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 crying[1]. It has an easy-to-digest milk protein blend patterned after breast milk (whey and casein in a 60:40 ratio)* 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 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[3]
  - 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 hours[1]
- A special blend of easy-to-digest proteins, patterned after the blend of proteins found in breast milk*, 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
- 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 women[2].

§ 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	**Osmolarity** (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 298.

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¶, *Crypthecodinium cohnii* oil#, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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¶, *Crypthecodinium cohnii* oil#, vitamin B_{12}, vitamin D_3, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, choline chloride, inositol, folic acid, vitamin K_1, 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

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

Enfamil® Enspire™ Gentlease®

Description/Indication

Enfamil Enspire Gentlease is a 20 Cal/fl oz milk-based, iron-fortified infant formula designed to ease fussiness, gas and crying. Enfamil Enspire Gentlease is the trusted Gentlease formula, designed to reduce fussiness, gas and crying in 24 hours[1,*], now has MFGM and lactoferrin. MFGM and lactoferrin are two ingredients previously only found in breast milk[†]: MFGM to foster cognitive development and lactoferrin to support immune health.

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

Product Features

- Milk fat globule membrane (MFGM) provides brain-building benefits and is shown to support cognitive outcomes at 12 months[2]
- Lactoferrin, a key protein also in colostrum and breast milk, helps support immune health[3].
- Designed to have an easy-to-digest protein blend of MFGM and partially hydrolyzed protein
- Has ingredients clinically shown to reduce fussiness, gas and crying in 24 hours[1,*]
- Infant formula that has MFGM and DHA is clinically shown to be a safe and well-tolerated source of nutrition[2]
- DHA at the clinically proven[‡] amount of 0.32% of total fatty acids, the same amount as the worldwide breast milk average[4,§], and double the amount found in the leading competitor's product[‖]:
  - Clinically shown to support cognitive and visual development[5]
  - Clinically shown to improve long-term cognitive outcomes through 5 years of age[6,‡]
- Inositol at the average amount found in breast milk[¶]
- Non-GMO[#]
- Kosher

* Studied before the reformulation of Gentlease.

† In amounts supported by clinical research.

‡ 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 women[4].

‖ Enfamil Enspire 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[7].

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)
Protein, g	2.3	1.56	11.5
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	3900
Carbohydrate, g	10.8	7.3	54
Water, g	133	90	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1500
Vitamin D, IU	70	47	350
Vitamin E, IU	2	1.35	10
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	700
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.5
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	80
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	15
Vitamin C (Ascorbic acid), mg	12	8.1	60
Choline, mg	24	16.2	120
Inositol, mg	24	16.2	120
Minerals			
Calcium, mg	82	55	410
Phosphorus, mg	46	31	230
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9
Zinc, mg	1	0.68	5
Manganese, mcg	15	10.1	75
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	75
Selenium, mcg	2.8	1.89	14
Sodium, mg	40	27	200
Potassium, mg	108	73	540
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	9
Whey:Casein Ratio	
Fat (% Calories)	48
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[8]	21

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	14.2
Osmolality (mOsm/kg water)	210
Osmolarity (mOsm/L)	
Lactose-free	No
Galactose-Free	No

Product Forms

Enfamil® Enspire™ Gentlease® is available in powder. For ordering information, please refer to page 298.

Composition

Ingredients: 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%: Lactoferrin, *Mortierella alpina* oil††, *Schizochytrium sp*. oil‡‡, sodium citrate, calcium phosphate, potassium chloride, calcium carbonate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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 Enspire 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.
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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.
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6. 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.
7. Data on file.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes

Enfamil NeuroPro™ Sensitive

Description/Indication

Enfamil NeuroPro Sensitive is a 20 Cal/fl oz, milk-based infant formula designed for sensitive tummies. It is specially formulated for infants with lactose sensitivity* and has easy-to-digest proteins. Enfamil NeuroPro Sensitive has a fat-protein blend of MFGM and DHA previously found only in breast milk†. Emerging evidence from a clinical study showed MFGM in infant formula supports cognitive development similar to breast milk‡.

Long-Term Usage: Enfamil NeuroPro Sensitive 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

- Easy-to-digest formula specially designed for lactose sensitivity*
- Infant formula that has MFGM and DHA is clinically shown to be a safe and well-tolerated source of nutrition[1]
- 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[3,§]
  - Shown to improve respiratory health through the first 3 years of life when infants were fed through 12 months[4,§]
- Inositol at the average amount found in breast milk[#]
- Non-GMO**
- Kosher

* Not for infants with galactosemia.
† 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 women[2].
¶ Enfamil NeuroPro Sensitive has not been shown superior to the leading competitor's product 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 kcal[5].
** 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)
Protein, g	2.2	1.49	11
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	3900
Carbohydrate, g	10.9	7.4	55
Water, g	132	89	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1500
Vitamin D, IU	70	47	350
Vitamin E, IU	2	1.35	10
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	700
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.5
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	80
Pantothenic acid, mcg	500	340	2500
Biotin, mcg	3	2	15
Vitamin C (Ascorbic acid), mg	12	8.1	60
Choline, mg	24	16.2	120
Inositol, mg	24	16.2	120
Minerals			
Calcium, mg	88	60	440
Phosphorus, mg	59	40	300
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9
Zinc, mg	1	0.68	5
Manganese, mcg	15	10.1	75
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	75
Selenium, mcg	2.8	1.89	14
Sodium, mg	33	22	165
Potassium, mg	110	74	550
Chloride, mg	67	45	340

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	9
Fat (% Calories)	48
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[6]	21
Potential Renal Solute Load (mOsm/100 mL)[6]	14
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No

Product Forms

Enfamil NeuroPro™ Sensitive is available in powder. For ordering information, please refer to page 299.

Composition

Ingredients: Powder: Corn syrup solids, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), milk protein isolate, whey protein-lipid concentrate (milk)†† and less than 2%: *Mortierella alpina* oil‡‡, *Schizochytrium sp.* oil§§, potassium citrate, calcium phosphate, sodium chloride, magnesium phosphate, potassium chloride, calcium carbonate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, potassium iodide, sodium selenite, soy lecithin, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, vitamin D_3, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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 Sensitive 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. Data on file.
6. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes

Enfamil PREMIUM™ A2

Description/Indication

Enfamil PREMIUM A2 is a milk-based, iron-fortified formula for full-term infants 0–12 months. Enfamil PREMIUM A2 has easy-to-digest proteins and contains milk from cows that produce only the A2 protein*.

Product Features

- A2 beta-casein is similar to that found in breast milk
- Most ordinary milk has a mix of A1 and A2 proteins. A1-producing cows emerged through commercial farming practices
- 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 proven 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 infants[6]
- Inositol at the average amount found in breast milk[||]
- Non-GMO[¶]
- No artificial growth hormones[#]
- Gluten-free

* From skim milk powder.

† 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 women[1].

§ Enfamil PREMIUM A2 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[7].

¶ 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.

No significant difference has been shown between milk derived from rbST-treated and non-rbST-treated cows.

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 kcals)
Protein, g	2	1.35	10.2
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	4000
Carbohydrate, g	11.3	7.6	58
Water, g	133	90	2.5
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1530
Vitamin D, IU	60	41	310
Vitamin E, IU	2	1.35	10.2
Vitamin K, mcg	9	6.1	4.6
Thiamin (Vitamin B_1), mcg	80	54	410
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	310
Vitamin B_{12}, mcg	0.3	0.2	1.53
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	82
Pantothenic acid, mcg	500	340	2600

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	15.3
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	122
Inositol, mg	24	16.2	122
Minerals			
Calcium, mg	78	53	400
Phosphorus, mg	43	29	220
Magnesium, mg	8	5.4	41
Iron, mg	1.8	1.22	9.2
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	77
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	77
Selenium, mcg	2.8	1.89	14.3
Sodium, mg	27	18.3	138
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	8
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	44
Potential Renal Solute Load (mOsm/100 Calories)[8]	18.6

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	12.5
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	No
Galactose-free	No

Product Forms

Enfamil PREMIUM™ A2 is available in powder. For ordering information, please refer to page 299.

Composition

Ingredients: Powder: Skim milk**, lactose, vegetable oil (palm oil, coconut, soy and high oleic sunflower oils), whey protein concentrate and less than 2%: Galactooligosaccharides††, polydextrose††, *Mortierella alpina* oil‡‡, *Crypthecodinium cohnii* oil§§, calcium carbonate, calcium phosphate, cupric sulfate, ferrous sulfate, magnesium oxide, manganese sulfate, potassium chloride, potassium citrate, potassium iodide, sodium chloride, sodium selenite, zinc sulfate, soy lecithin, inositol, choline chloride, ascorbic acid, biotin, calcium pantothenate, folic acid, niacinamide, riboflavin, thiamin hydrochloride, vitamin B_{12}, vitamin B_6 hydrochloride, vitamin D_3, vitamin K_1, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

** A source of A2 milk.
†† A type of prebiotic.
‡‡ A source of arachidonic acid (ARA).
§§ A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfamil PREMIUM A2 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.
4. 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.
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.
6. 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.
7. Data on file.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes

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 age[2] 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 women[1].

‡ 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 300.

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 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 (Pwd) 170 (8 fl oz RTU, 13 fl oz Conc)
Carbohydrate (% Calories)	42	**Osmolarity** (mOsm/L)	180 (2 fl oz) 160 (Pwd) 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‖, *Crypthecodinium cohnii* oil¶, L-methionine, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D_3, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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‖, *Crypthecodinium 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 B_{12}, vitamin D_3, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin K_1, 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‖, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, inositol, vitamin B_{12}, vitamin D_3, 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‖, *Crypthecodinium cohnii* oil¶, mono- and diglycerides, soy lecithin, carrageenan, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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 week*. 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 women[1].

§ 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)
Protein, g	2.3	1.55	11.7
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	4000
Carbohydrate, g	11.1	7.5	56
Water, g	133	90	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1520
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10.2
Vitamin K, mcg	9	6.1	46
Thiamin (Vitamin B_1), mcg	80	54	410
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.52
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	81
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (510 Cal)
Biotin, mcg	3	2	15.2
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	122
Inositol, mg	6	4.1	30
Minerals			
Calcium, mg	82	55	420
Phosphorus, mg	46	31	230
Magnesium, mg	8	5.4	41
Iron, mg	1.5	1.01	7.6
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	76
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	76
Selenium, mcg	2.8	1.89	14.2
Sodium, mg	36	24	183
Potassium, mg	108	73	550
Chloride, mg	63	43	320

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	9
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[6]	21

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[6]	14
Osmolality (mOsm/kg water)	250
Osmolarity (mOsm/L)	230
Lactose-free	No

Product Forms

Enfamil® Reguline® is available in powder. For ordering information, please refer to page 300.

Composition

Ingredients: Partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), corn syrup solids, lactose and less than 2%: polydextrose‖, galactooligosaccharides‖, *Mortierella alpina* oil¶, *Crypthecodinium cohnii* oil#, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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.

‖ A type of prebiotic.
¶ A source of arachidonic acid (ARA).
# A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfamil Reguline 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. Ashley C, Johnston WH, Harris CL, et al. Growth and tolerance of infants fed formula supplemented with polydextrose (PDX) and/or galactooligosaccharides (GOS): double-blind, randomized, controlled trial. *Nutr J.* 2012:11:38.
4. Salminen S et al. Early Gut Colonization With Lactobacilli and Staphylococcus in Infants: The Hygiene Hypothesis Extended. *J Pediatr Gastroenterol Nutr* 2016;62(1):80-86.
5. Scalabrin D et al. New Prebiotic Blend of Polydextrose and Galacto-oligosaccharides Has a Bifidogenic Effect in Young Infants. *J Pediatr Gastroenterol Nutr* 2012;54(3):343-352
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Notes

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 Pediatrics[1]
- 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 women[3].

‡ 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 297.

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		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 (Pwd)
Fat (% Calories)	46	**Osmolarity** (mOsm/L)	210 (Liq) 210 (Pwd)
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¶, *Crypthecodinium cohnii* oil#, calcium carbonate, ferrous sulfate, zinc sulfate, sodium citrate, cupric sulfate, manganese sulfate, sodium selenite, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, vitamin D_3, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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¶, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, soy lecithin, mono- and diglycerides, choline chloride, carrageenan, inositol, vitamin D_3, 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¶, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, choline chloride, carrageenan, inositol, vitamin D_3, 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

1. Lightdale JR, Gremse DA, Section on Gastroenterology, Hepatology, and Nutrition. Gastroesophageal reflux: management guidance for the pediatrician. *Pediatrics*. 2013;131:e1684-e1695.
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Notes

Allergy Formulas

for Infants and Toddlers

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 have food allergies including cow's milk allergy. 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 feeding[2]
  - Help infants consume milk protein without an allergic response in as early as 6 months of feeding[3]
- Helps reduce the likelihood of other allergic manifestations 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 support brain and eye development[5-12]:
  - DHA at the clinically proven[§] 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[¶]
- Nutramigen protein clinically researched in over 75 studies[†]
- Lactose-free
- Has no sucrose[#] as a carbohydrate source
- No artificial growth hormones[**]

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

‡ Rhinoconjunctivitis, urticaria, eczema and asthma at 3 years compared to Nutramigen without LGG. Feeding began at 4 months or older in the study.

§ 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 women[13].

¶ 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.

** No significant difference has been shown between milk derived from rbST-treated and non-rbST-treated cows.

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)
Protein, g	2.8	1.89	14
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	3900
Carbohydrate, g	10.3	7	52
Water, g	131	89	2.3
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1500
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	90	61	450
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.5
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	80
Pantothenic acid, mcg	500	340	2500
Biotin, mcg	3	2	15
Vitamin C (Ascorbic acid), mg	12	8.1	60
Choline, mg	24	16.2	120
Inositol, mg	24	16.2	120
Minerals			
Calcium, mg	94	64	470
Phosphorus, mg	52	35	260
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9
Zinc, mg	1	0.68	5
Manganese, mcg	25	16.9	125
Copper, mcg	75	51	380
Iodine, mcg	15	10.1	75
Selenium, mcg	2.8	1.89	14
Sodium, mg	47	32	240
Potassium, mg	110	74	550
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 300.

Composition

Ingredients: Corn syrup solids (47%), 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‡‡, *Schizochytrium sp.* 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 D_3, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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.
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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.
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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 development[3-10]
- 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 300.

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				
	2 fl oz RTU	6 fl oz RTU	8 fl oz RTU	13 fl oz Conc	32 fl oz RTU	2 fl oz RTU	6 fl oz RTU	8 fl oz RTU	13 fl oz Conc	32 fl oz RTU
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	780	780	780	780	780	530	530	530	530	530
Carbohydrate, g	10.3	10.3	10.3	10.3	10.3	7	7	7	7	7
Water, g	132	132	132	133	132	89	89	89	90	89
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	9	6.1	6.1	6.1	6.1	6.1
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	24	24	24	24	24	16.2	16.2	16.2	16.2	16.2
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	8	8	5.4	5.4	5.4	5.4	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)	280	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§, *Schizochytrium sp.* oil‖, carrageenan, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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§, *Schizochytrium sp.* 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, L-cystine, inositol, L-tyrosine, L-tryptophan, vitamin B_{12}, 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§, *Schizochytrium sp.* 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 D_3, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, L-cystine, inositol, L-tyrosine, L-tryptophan, vitamin B_{12}, 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§, *Schizochytrium sp.* oil‖, carrageenan, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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§, *Schizochytrium sp.* oil‖, acetylated monoglycerides, carrageenan, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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

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. Lothe L, Lindberg T, Jakobsson I. Cow's milk formula as a cause of infantile colic: a double-blind study. *Pediatrics*. 1982;70:7-10.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
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12. Jensen RG, ed. *Handbook of Milk Composition*. San Diego, Calif: Academic Press;1995.
13. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Nutramigen® with Enflora™ LGG®* Toddler

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

Description/Indication

Nutramigen with Enflora LGG Toddler is a 20 Cal/fl oz, iron-fortified, hypoallergenic infant formula for older infants and toddlers with food allergies including cow's milk allergy. 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
- Increased vitamins and minerals as compared to Nutramigen® with Enflora™ LGG® infant
- 26 vitamins and minerals for growing toddlers
- Lactose-free
- Has no sucrose‡ as a carbohydrate source
- No artificial growth hormones§

† Studied in infants.

‡ When hereditary fructose intolerance is a concern.

§ No significant difference has been shown between milk derived from rbST-treated and non-rbST-treated cows.

Product Forms

Nutramigen with Enflora LGG Toddler is available in powder. For ordering information, please refer to page 300.

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)
Protein, g	2.5	1.69	12
Fat, g	4.3	2.9	21
Linoleic acid, mg	640	430	3100
Carbohydrate, g	12.8	8.7	61
Water, g	132	89	1.62
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1440
Vitamin D, IU	60	41	290
Vitamin E, IU	1.65	1.12	7.9
Vitamin K, mcg	13	8.8	62
Thiamin (Vitamin B_1), mcg	110	74	530
Riboflavin (Vitamin B_2), mcg	180	122	860
Vitamin B_6, mcg	154	104	740
Vitamin B_{12}, mcg	0.3	0.2	1.44
Niacin, mcg	1540	1040	7400
Folic acid (Folacin), mcg	16	10.8	77
Pantothenic acid, mcg	660	450	3200

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (480 Cal)
Biotin, mcg	2.2	1.49	10.6
Vitamin C (Ascorbic acid), mg	19	12.8	91
Choline, mg	24	16.2	115
Inositol, mg	17	11.5	82
Minerals			
Calcium, mg	130	88	620
Phosphorus, mg	72	49	350
Magnesium, mg	10	6.8	48
Iron, mg	1.6	1.08	7.7
Zinc, mg	1.1	0.74	5.3
Manganese, mcg	50	34	240
Copper, mcg	75	51	360
Iodine, mcg	17.6	11.9	84
Selenium, mcg	2.5	1.69	12
Sodium, mg	37	25	178
Potassium, mg	122	83	590
Chloride, mg	80	54	380

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	10
Fat (% Calories)	39
Carbohydrate (% Calories)	51
Potential Renal Solute Load (mOsm/100 Calories)[1]	24

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[1]	15.9
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	270
Lactose-free	Yes

Composition

Ingredients: Corn syrup solids (55%), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils) (20%), casein hydrolysate‖ (milk) (14%), modified corn starch (6%) and less than 2%: *Mortierella alpina* oil¶, *Schizochytrium sp.* oil#, *Lactobacillus rhamnosus* GG**, 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 B_6 hydrochloride, riboflavin, vitamin D_3, thiamin hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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).
** Branded as LGG®, a registered trademark of Chr. Hansen A/S.

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 make an important contribution in supporting the maintenance of adequate 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 events[1]
  - 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 support brain and eye development[2-7]
- Lactose-free
- Demonstrated to support normal growth in healthy infants[1]
- 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)
Protein equivalent, g	2.8	1.9	14
Fat, g	5.3	3.6	27
Linoleic acid, mg	860	580	4300
Carbohydrate, g	10.6	7.2	53
Water, g	133	90	1.76
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1500
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.36	10
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	90	61	450
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.5
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.9	80
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	15
Vitamin C (Ascorbic acid), mg	12	8.2	60
Choline, mg	24	16.3	120
Inositol, mg	24	16.3	120
Minerals			
Calcium, mg	116	79	580
Phosphorus, mg	64	44	320
Magnesium, mg	8	5.4	40
Iron, mg	1.8	1.22	9
Zinc, mg	1	0.68	5
Manganese, mcg	25	17	125
Copper, mcg	75	51	380
Iodine, mcg	15	10.2	75
Selenium, mcg	2.8	1.9	14
Sodium, mg	47	32	240
Potassium, mg	110	75	550
Chloride, mg	86	58	430

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	11
Fat (% Calories)	47
Carbohydrate (% Calories)	42
Potential Renal Solute Load (mOsm/100 Calories)[8]	25

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	17.2
Osmolality (mOsm/kg water)	350
Osmolarity (mOsm/L)	320
Lactose-free	Yes

Product Forms

PurAmino™ is available in powder. For ordering information, please refer to page 301.

Composition

Ingredients: Corn syrup solids (46%), amino acids (potassium aspartate, L-leucine, L-lysine hydrochloride, L-proline, L-alanine, L-valine, L-isoleucine, L-serine, L-threonine, L-glutamine, L-tyrosine, L-aspartic acid, L-arginine, L-phenylalanine, L-histidine, L-cystine, glycine, L-tryptophan, L-methionine) (18%), high oleic sunflower oil (9%), medium chain triglycerides (MCT) oil (9%), soy oil (8%), modified tapioca starch (4%), and less than 2%: *Mortierella alpina* oil*, *Schizochytrium sp*. oil†, choline chloride, inositol, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, vitamin D_3, folic acid, vitamin K_1, biotin, taurine, vitamin E acetate, L-carnitine, vitamin A palmitate, vitamin B_{12}, calcium phosphate, potassium citrate, sodium citrate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium chloride, 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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11–14.

Notes

PurAmino™ Jr

Description/Indication

PurAmino Jr is a 30 Cal/fl oz, iron-fortified, hypoallergenic, amino acid-based medical food for the dietary management of children with severe cow's milk protein allergy, not effectively managed by an extensively hydrolyzed formula. PurAmino Jr is also indicated for the dietary management of children 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 Jr is designed to provide a major source of nutrition for children age 1 year and up. In cases of severe and multiple food allergies or intolerances, PurAmino Jr is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of PurAmino Jr in the diet make an important contribution in supporting the maintenance of adequate nutrition in such patients.

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

Extended use of PurAmino Jr (or other medical foods for children) 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 product for one year and up that has DHA, an important nutrient that helps support brain and eye development
- Formulated with 33% medium-chain triglycerides (MCT) oil to help facilitate fat absorption
- Has calcium and protein for growing children
- Nutritionally complete*
- Lactose-free
- No artificial colors or sweeteners
- Non-GMO†
- Kosher, Halal

* Dietary reference intakes include a recommendation for fiber for >12 months of age.

† 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 (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (490 Cal)
Protein equivalent, g	3.2	3.2	15.5
Fat, g	5.1	5.1	25
Linoleic acid, mg	800	800	3900
Carbohydrate, g	10.6	10.6	52
Water, g	85	85	2.1
Vitamins/Other Nutrients			
Vitamin A, IU	184	184	900
Vitamin D, IU	78	78	380
Vitamin E, IU	2	2	10
Vitamin K, mcg	5.5	5.5	27
Thiamin (Vitamin B_1), mcg	92	92	450
Riboflavin (Vitamin B_2), mcg	92	92	450
Vitamin B_6, mcg	92	92	450
Vitamin B_{12}, mcg	0.22	0.22	1.1
Niacin, mcg	920	920	4500
Folic acid (Folacin), mcg	14.3	14.3	70
Pantothenic acid, mcg	390	390	1900
Biotin, mcg	2	2	10

	Per 100 Calories (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (490 Cal)
Vitamin C (Ascorbic acid), mg	15.3	15.3	75
Choline, mg	30	30	145
Inositol, mg	16.3	16.3	80
Minerals			
Calcium, mg	133	133	650
Phosphorus, mg	92	92	450
Magnesium, mg	15.3	15.3	75
Iron, mg	1.73	1.73	8.5
Zinc, mg	0.82	0.82	4
Manganese, mcg	131	131	640
Copper, mcg	43	43	210
Iodine, mcg	10.2	10.2	50
Selenium, mcg	3	3	14.5
Chromium, mcg	2.8	2.8	13.5
Molybdenum, mcg	4.1	4.1	20
Sodium, mg	51	51	250
Potassium, mg	153	153	750
Chloride, mg	61	61	300

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz
Protein (% Calories)	13
Fat (% Calories)	45
Carbohydrate (% Calories)	42
Potential Renal Solute Load (mOsm/100 Calories)[1]	29

	30 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[1]	29
Osmolality (mOsm/kg water)	630
Osmolarity (mOsm/L)	540
Lactose-free	Yes

Product Forms

PurAmino™ Jr is available in powder. For ordering information, please refer to page 301.

Composition

Ingredients: Corn syrup solids (47%), amino acids (potassium aspartate, L-leucine, L-lysine hydrochloride, L-proline, L-alanine, L-valine, L-isoleucine, L-threonine, L-serine, L-glutamine, L-tyrosine, L-aspartic acid, L-arginine, L-phenylalanine, L-histidine, L-cystine, glycine, L-tryptophan, L-methionine) (19%), high oleic sunflower oil (9%), medium chain triglycerides (MCT oil) (8%), soy oil (8%), modified tapioca starch (3%), calcium phosphate (2%) and less than 2%: sodium citrate, potassium citrate, magnesium phosphate, ferrous sulfate, sodium chloride, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium molybdate, sodium selenite, chromic chloride, choline chloride, *Schizochytrium sp*. oil‡, inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B_6 hydrochloride, thiamin hydrochloride, riboflavin, folic acid, vitamin K_1, biotin, vitamin D_3, vitamin B_{12}, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

‡ A source of docosahexaenoic acid (DHA).

Potential Allergens

PurAmino Jr contains soy oil. PurAmino Jr is hypoallergenic.

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

Reference

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

Notes

PurAmino™ Jr Vanilla

Description/Indication

PurAmino Jr Vanilla is a 30 Cal/fl oz, iron-fortified, hypoallergenic, amino acid-based medical food for the dietary management of children with severe cow's milk protein allergy, not effectively managed by an extensively hydrolyzed formula. PurAmino Jr Vanilla is also indicated for the dietary management of children 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 Jr Vanilla is designed to provide a major source of nutrition for children age 1 year and up. In cases of severe and multiple food allergies or intolerances, PurAmino Jr Vanilla is sometimes continued as a milk substitute in the diet of children. This and similar supplemental use of PurAmino Jr Vanilla in the diet may make an important contribution in supporting the maintenance of adequate nutrition in such patients.

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

Extended use of PurAmino Jr Vanilla (or other medical foods for children) 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 product for one year and up that has DHA, an important nutrient that helps support brain and eye development
- Formulated with 33% medium-chain triglycerides (MCT) oil to help facilitate fat absorption
- Has calcium and protein for growing children
- Vanilla* flavor designed to appeal to children's tastes
- Nutritionally complete†
- Lactose-free
- No artificial colors or sweeteners
- Non-GMO‡
- Kosher, Halal

* Artificial flavor.

† Dietary reference intakes include a recommendation for fiber for >12 months of age.

‡ 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 (3.3 fl oz)	Per 100 mL	Per 100 grams Powder (490 Cal)
Protein equivalent, g	3.2	3.2	15.5
Fat, g	5.1	5.1	25
Linoleic acid, mg	780	800	3900
Carbohydrate, g	10.6	10.6	52
Water, g	85	85	2.1
Vitamins/Other Nutrients			
Vitamin A, IU	184	184	900
Vitamin D, IU	78	78	380
Vitamin E, IU	2	2	10
Vitamin K, mcg	5.5	5.5	27
Thiamin (Vitamin B_1), mcg	92	92	450
Riboflavin (Vitamin B_2), mcg	92	92	450
Vitamin B_6, mcg	92	92	450
Vitamin B_{12}, mcg	0.22	0.22	1.1
Niacin, mcg	920	920	4500
Folic acid (Folacin), mcg	14.3	14.3	70
Pantothenic acid, mcg	390	390	1900
Biotin, mcg	2	2	10
Vitamin C (Ascorbic acid), mg	15.3	15.3	75
Choline, mg	30	30	145
Inositol, mg	16.3	16.3	80
Minerals			
Calcium, mg	133	133	650
Phosphorus, mg	92	92	450
Magnesium, mg	15.3	15.3	75
Iron, mg	1.73	1.73	8.5
Zinc, mg	0.82	0.82	4
Manganese, mcg	131	131	640
Copper, mcg	43	43	210
Iodine, mcg	10.2	10.2	50
Selenium, mcg	3	3	14.5
Chromium, mcg	2.8	2.8	13.5
Molybdenum, mcg	4.1	4.1	20
Sodium, mg	51	51	250
Potassium, mg	153	153	750
Chloride, mg	61	61	300

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz
Protein (% Calories)	13
Fat (% Calories)	45
Carbohydrate (% Calories)	42
Potential Renal Solute Load (mOsm/100 Calories)[1]	29
Potential Renal Solute Load (mOsm/100 mL)[1]	29
Osmolality (mOsm/kg water)	630
Osmolarity (mOsm/L)	540
Lactose-free	Yes

Product Forms

PurAmino™ Jr Vanilla is available in powder. For ordering information, please refer to page 301.

Composition

Ingredients: Corn syrup solids (47%), amino acids (potassium aspartate, L-leucine, L-lysine hydrochloride, L-proline, L-alanine, L-valine, L-isoleucine, L-threonine, L-serine, L-glutamine, L-tyrosine, L-aspartic acid, L-arginine, L-phenylalanine, L-histidine, L-cystine, glycine, L-tryptophan, L-methionine) (19%), high oleic sunflower oil (9%), medium chain triglycerides (MCT oil) (8%), soy oil (8%), modified tapioca starch (3%), calcium phosphate (2%) and less than 2%: sodium citrate, potassium citrate, magnesium phosphate, ferrous sulfate, sodium chloride, zinc sulfate, manganese sulfate, cupric sulfate, sodium iodide, sodium molybdate, sodium selenite, chromic chloride, choline chloride, *Schizochytrium sp*. oil[§], inositol, ascorbic acid, niacinamide, calcium pantothenate, vitamin B_6 hydrochloride, thiamin hydrochloride, riboflavin, folic acid, vitamin K_1, biotin, vitamin D_3, vitamin B_{12}, vitamin E acetate, artificial flavor, vitamin A palmitate, taurine, L-carnitine.

§ A source of docosahexaenoic acid (DHA).

Potential Allergens

PurAmino Jr Vanilla contains soy oil. PurAmino Jr Vanilla is hypoallergenic.

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

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 development[1-8]
- 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 301.

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		20 Cal/fl oz		24 Cal/fl oz
				Pwd	Liq	
Protein (% Calories)	11	11	**Potential Renal Solute Load** (mOsm/100 mL)[9]	16.9	16.9	20
Fat (% Calories)	49	49	**Osmolality** (mOsm/kg water)	320	290	340
Carbohydrate (% Calories)	40	40	**Osmolarity** (mOsm/L)	280	260	310
Potential Renal Solute Load (mOsm/100 Calories)[9]	25	25	**Lactose-free**	Yes	Yes	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†, *Crypthecodinium cohnii* oil‡, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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†, *Crypthecodinium cohnii* oil‡, carrageenan, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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†, *Crypthecodinium 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 B_{12}, thiamin hydrochloride, vitamin D_3, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin K_1, 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

1. 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.
2. 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.
3. 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.
4. 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.
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, 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.
7. 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.
8. 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.
9. 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 development[2-9]
- 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 300.

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‡, *Crypthecodinium 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 D_3, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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
Protein, g	3.5	3.6
Fat, g	5.5	5.6
Linoleic acid, mg	350	360
Carbohydrate, g	10	10.2
Water, g	83	85
Vitamins/Other Nutrients		
Vitamin A, IU	350	360
Vitamin D, IU	50	51
Vitamin E, IU	4	4.1
Vitamin K, mcg	12	12.2
Thiamin (Vitamin B_1), mcg	80	81
Riboflavin (Vitamin B_2), mcg	90	92
Vitamin B_6, mcg	68	69
Vitamin B_{12}, mcg	0.3	0.31
Niacin, mcg	1000	1020
Folic acid (Folacin), mcg	16	16.3
Pantothenic acid, mcg	500	510

	Per 100 Calories (3.3 fl oz)	Per 100 mL
Biotin, mcg	3	3.1
Vitamin C (Ascorbic acid), mg	12	12.2
Choline, mg	24	24
Inositol, mg	17	17.3
Minerals		
Calcium, mg	94	96
Phosphorus, mg	52	53
Magnesium, mg	8.8	9
Iron, mg	1.8	1.83
Zinc, mg	1	1.02
Manganese, mcg	25	25
Copper, mcg	75	76
Iodine, mcg	15	15.3
Selenium, mcg	2.8	2.9
Sodium, mg	30	31
Potassium, mg	115	117
Chloride, mg	87	89

NUTRIENT FACTS

Nutrient Density	30 Cal/fl oz
Protein (% Calories)	14
Fat (% Calories)	46
Carbohydrate (% Calories)	40
Potential Renal Solute Load (mOsm/100 Calories)[10]	28

	30 Cal/fl oz
Potential Renal Solute Load (mOsm/100 mL)[10]	29
Osmolality (mOsm/kg water)	360
Osmolarity (mOsm/L)	310
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 301.

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 B_6 hydrochloride, vitamin D_3, thiamin hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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)
Calories	470	960	
Protein, g	16.5	34	68*
Fat, g	22	45	†
Cholesterol, mg	<5	8	†
Carbohydrate, g	54	110	†
Linoleic acid, mg	1300	2600	†
Sodium, mg	260	530	†
Potassium, mg	590	1200	†
Chloride, mg	410	830	†
Choline, mg	61	124	†
Taurine, mg	28	57	†
Inositol, mg	22	45	†
Vitamins and Minerals			
Vitamin A, IU	3700	7500	150
Vitamin C, mg	38	77	130
Vitamin D, IU	370	750	190
Vitamin E, IU	14.7	30	100
Vitamin K, mcg	74	151	190
Thiamin, mg	0.74	1.51	100
Riboflavin, mg	0.88	1.79	110
Niacin, mg	9.8	20	100
Vitamin B_6, mg	0.98	2	100
Folic acid, mcg	74	151	40
Vitamin B_{12}, mcg	2.9	5.9	100
Biotin, mcg	37	75	25
Pantothenic acid, mg	4.9	10	100
Calcium, mg	440	900	90
Iron, mg	8.8	17.9	100
Phosphorus, mg	330	670	70
Iodine, mcg	34	69	45
Magnesium, mg	98	200	50
Zinc, mg	4.4	9	60
Copper, mg	0.74	1.51	80
Manganese, mg	0.59	1.2	60

NUTRIENT FACTS

Nutrient Density	30 Calories/fl oz
Protein (% Calories)	14
Fat (% Calories)	40
Carbohydrate (% Calories)	46
Potential Renal Solute Load (mOsm/L)[1]	300
Osmolality (mOsm/kg water)	350
Osmolarity (mOsm/L formula)	290

	30 Calories/fl oz
Total Calorie:Nitrogen Ratio	178:1
Nonprotein Calorie:Nitrogen Ratio	153:1
Water (g/L)	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 296.

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 D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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)
Protein, g	2.8	22
Fat, g§	4.2	33
Carbohydrate, g§	13.4	33
Water, g	132	3
Linoleic acid, mg	300	2400
Vitamins/Other Nutrients		
Vitamin A, IU	380	3000
Vitamin D, IU	60	470
Vitamin E, IU	3.8	30
Vitamin K, mcg	18.8	148
Thiamin (Vitamin B_1), mcg	77	610
Riboflavin (Vitamin B_2), mcg	94	740
Vitamin B_6, mcg	62	490
Vitamin B_{12}, mcg	0.32	2.5
Niacin, mcg	1000	7900
Folic acid (Folacin), mcg	15.6	123
Pantothenic acid, mcg	470	3700
Biotin, mcg	7.8	61
Vitamin C (Ascorbic acid), mg	11.7	92
Choline, mg	13.3	105
Inositol, mg	4.7	37
Minerals		
Calcium, mg	94	740
Phosphorus, mg	62	490
Magnesium, mg	10.9	86
Iron, mg	1.5	11.8
Zinc, mg	0.62	4.9
Manganese, mcg	32	250
Copper, mcg	85	670
Iodine, mcg	7	55
Selenium, mcg	2.8	22
Sodium, mg	43	340
Potassium, mg	109	860
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 nutrients[1]
- 3.3 g of protein/100 Calories—appropriate for growth and development[1-3]
- 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 growth[1]:
  - 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 concentration[5]
- 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 women[4].

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
Fat, g	5	3.4
Linoleic acid, mg	810	550
Carbohydrate, g	10.8	7.3
Water, g	132	89
Vitamins/Other Nutrients		
Vitamin A, IU	1350	910
Vitamin D, IU	300	200
Vitamin E, IU	6.3	4.3
Vitamin K, mcg	9	6.1
Thiamin (Vitamin B_1), mcg	200	135
Riboflavin (Vitamin B_2), mcg	300	200
Vitamin B_6, mcg	150	101
Vitamin B_{12}, mcg	0.25	0.17
Niacin, mcg	4000	2700
Folic acid (Folacin), mcg	40	27
Pantothenic acid, mcg	1200	810

	Per 100 Calories	Per 100 mL
Biotin, mcg	4	2.7
Vitamin C (Ascorbic acid), mg	20	13.5
Choline, mg	24	16.2
Inositol, mg	44	30
Minerals		
Calcium, mg	165	112
Phosphorus, mg	90	61
Magnesium, mg	9	6.1
Iron, mg	1.8	1.22
Zinc, mg	1.5	1.01
Manganese, mcg	6.3	4.3
Copper, mcg	120	81
Iodine, mcg	25	16.9
Selenium, mcg	5	3.4
Sodium, mg	70	47
Potassium, mg	98	66
Chloride, mg	106	72

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	13
Whey:Casein Ratio	80:20
Fat (% Calories)	44
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[8]	30

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	20
Osmolality (mOsm/kg water)	260
Osmolarity (mOsm/L)	230
Lactose-free	No

Product Forms

Enfamil® Premature 20 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 299.

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§, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, mono- and diglycerides, inositol, soy lecithin, choline chloride, vitamin D_3, 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 nutrients[1]
- 3.3 g of protein/100 Calories—appropriate for growth and development[1-3]
- 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 growth[1]:
  - 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 concentration[5]
- 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 women[4].

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	2.7
Fat, g	5	4.1
Linoleic acid, mg	810	660
Carbohydrate, g	10.8	8.8
Water, g	108	88
Vitamins/Other Nutrients		
Vitamin A, IU	1350	1100
Vitamin D, IU	300	240
Vitamin E, IU	6.3	5.1
Vitamin K, mcg	9	7.3
Thiamin (Vitamin B_1), mcg	200	162
Riboflavin (Vitamin B_2), mcg	300	240
Vitamin B_6, mcg	150	122
Vitamin B_{12}, mcg	0.25	0.2
Niacin, mcg	4000	3200
Folic acid (Folacin), mcg	40	32
Pantothenic acid, mcg	1200	970

	Per 100 Calories	Per 100 mL
Biotin, mcg	4	3.2
Vitamin C (Ascorbic acid), mg	20	16.2
Choline, mg	24	19.5
Inositol, mg	44	36
Minerals		
Calcium, mg	165	134
Phosphorus, mg	90	73
Magnesium, mg	9	7.3
Iron, mg	1.8	1.46
Zinc, mg	1.5	1.22
Manganese, mcg	6.3	5.1
Copper, mcg	120	97
Iodine, mcg	25	20
Selenium, mcg	5	4.1
Sodium, mg	70	57
Potassium, mg	98	80
Chloride, mg	106	86

NUTRIENT FACTS

Nutrient Density	24 Calories/fl oz
Protein (% Calories)	13
Whey:Casein Ratio	80:20
Fat (% Calories)	44
Carbohydrate (% Calories)	43
Potential Renal Solute Load (mOsm/100 Calories)[8]	30

	24 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	25
Osmolality (mOsm/kg water)	320
Osmolarity (mOsm/L)	280
Lactose-free	No

Product Forms

Enfamil® Premature 24 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 299.

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§, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, mono- and diglycerides, inositol, soy lecithin, choline chloride, vitamin D_3, 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 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 nutrients[1]
- 3.6 g of protein/100 Calories—appropriate for growth and development[1-3]
- 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 growth[1]:
  - 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 concentration[5]
- 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 women[4].

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	3.6	2.9
Fat, g	5	4.1
Linoleic acid, mg	810	660
Carbohydrate, g	10.5	8.5
Water, g	108	88
Vitamins/Other Nutrients		
Vitamin A, IU	1350	1100
Vitamin D, IU	300	240
Vitamin E, IU	6.3	5.1
Vitamin K, mcg	9	7.3
Thiamin (Vitamin B_1), mcg	200	162
Riboflavin (Vitamin B_2), mcg	300	240
Vitamin B_6, mcg	150	122
Vitamin B_{12}, mcg	0.25	0.2
Niacin, mcg	4000	3200
Folic acid (Folacin), mcg	40	32
Pantothenic acid, mcg	1200	970
Biotin, mcg	4	3.2
Vitamin C (Ascorbic acid), mg	20	16.2
Choline, mg	24	19.5
Inositol, mg	44	36
Minerals		
Calcium, mg	165	134
Phosphorus, mg	90	73
Magnesium, mg	9	7.3
Iron, mg	1.8	1.46
Zinc, mg	1.5	1.22
Manganese, mcg	6.3	5.1
Copper, mcg	120	97
Iodine, mcg	25	20
Selenium, mcg	5	4.1
Sodium, mg	70	57
Potassium, mg	98	80
Chloride, mg	106	86

NUTRIENT FACTS

Nutrient Density	24 Calories/fl oz
Protein (% Calories)	14
Whey:Casein Ratio	80:20
Fat (% Calories)	44
Carbohydrate (% Calories)	42
Potential Renal Solute Load (mOsm/100 Calories)[8]	32
Potential Renal Solute Load (mOsm/100 mL)[8]	26
Osmolality (mOsm/kg water)	300
Osmolarity (mOsm/L)	260
Lactose-free	No

Product Forms

Enfamil® Premature 24 Cal HP is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 299.

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§, *Crypthecodinium 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 D_3, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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 nutrients[1]
- 3.3 g of protein/100 Calories—appropriate for growth and development[1-3]
- 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 growth[1]:
  - 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 concentration[5]
- 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 women[4].

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	3.3
Fat, g	5	5.1
Linoleic acid, mg	810	820
Carbohydrate, g	10.8	10.9
Water, g	83	84
Vitamins/Other Nutrients		
Vitamin A, IU	1350	1370
Vitamin D, IU	300	300
Vitamin E, IU	6.3	6.4
Vitamin K, mcg	9	9.1
Thiamin (Vitamin B_1), mcg	200	200
Riboflavin (Vitamin B_2), mcg	300	300
Vitamin B_6, mcg	150	152
Vitamin B_{12}, mcg	0.25	0.25
Niacin, mcg	4000	4100
Folic acid (Folacin), mcg	40	41
Pantothenic acid, mcg	1200	1220
Biotin, mcg	4	4.1
Vitamin C (Ascorbic acid), mg	20	20
Choline, mg	24	24
Inositol, mg	44	45
Minerals		
Calcium, mg	165	167
Phosphorus, mg	90	91
Magnesium, mg	9	9.1
Iron, mg	1.8	1.83
Zinc, mg	1.5	1.52
Manganese, mcg	6.3	6.4
Copper, mcg	120	122
Iodine, mcg	25	25
Selenium, mcg	5	5.1
Sodium, mg	70	71
Potassium, mg	98	99
Chloride, mg	106	107

NUTRIENT FACTS

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

Product Forms

Enfamil® Premature 30 Cal is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 299.

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§, *Crypthecodinium 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 D_3, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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

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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.
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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.
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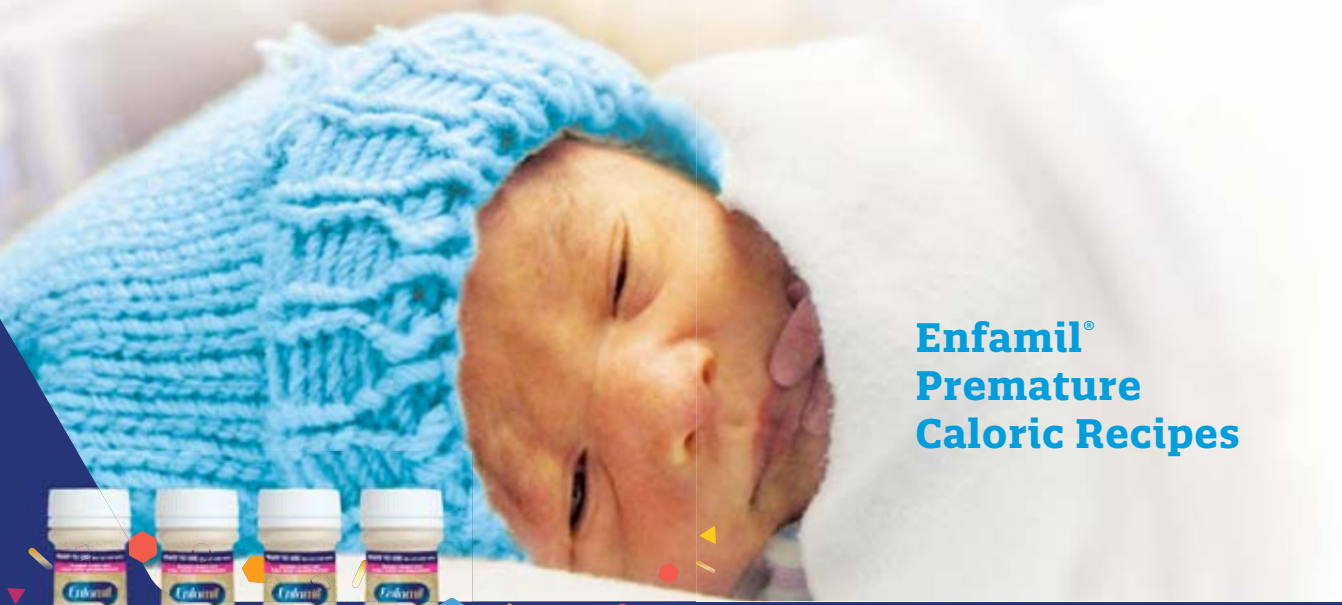
Notes



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.

Recipes for various formula concentrations for targeted caloric intakes

(See pages 100–114 for nutrient information.)

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

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
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		
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	3.2	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

Enfamil® DHA & ARA Supplement

Description/Indication

Enfamil DHA & ARA Supplement is a DHA and ARA supplement designed to help infants receive supplemental amounts of DHA and ARA. Enfamil DHA & ARA Supplement is a commercially sterile, emulsified liquid that provides 20 mg DHA and 40 mg ARA per 0.5 mL.

Contribution of DHA and ARA from other dietary sources should be accounted for in the infant's diet.

Product Features

- Commercially sterile, emulsified liquid
- 2 Calories per 0.5 mL
- No measurable impact on osmolality
- Flexible application provides 20 mg DHA and 40 mg ARA per 0.5 mL
- For enteral or oral feeding
- NeoMed® accessories available:
  - Transfer lids to help ensure aseptic preparation
  - ENFit® syringes provide accurate and safe administration, and can help reduce lipid loss

NeoMed is a registered trademark of NeoMed, Inc.
ENFit is a registered trademark of GEDSA.

Product Forms

Enfamil DHA & ARA Supplement is available in ready-to-use Nursette® bottles. For ordering information, please refer to page 297.

Composition

Ingredients: Water, *Mortierella alpina* oil, *Schizochytrium sp*. oil, and less than 2%: modified corn starch and ascorbyl palmitate.

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

Note: CONTRIBUTION OF DHA AND ARA FROM OTHER DIETARY SOURCES SHOULD BE ACCOUNTED FOR IN THE BABY'S DIET.

THIS PRODUCT SHOULD BE USED ONLY AS DIRECTED BY THE BABY'S DOCTOR. REFER TO HOSPITAL PROTOCOLS FOR TUBE FEEDING.

NUTRIENTS	Product nutrient values and ingredients are subject to change. Please see product label for current information.
SUPPLEMENT FACTS	Per 0.5 mL
Calories	2
ARA (arachidonic acid from *Mortierella alpina* oil)	40 mg*
DHA (docosahexaenoic acid from *Schizochytrium sp.* oil)	20 mg*

* Daily value not established.

Enfamil NeuroPro™ EnfaCare®

Description/Indication

Enfamil NeuroPro EnfaCare is a milk-based, 22 Cal/fl oz, iron-fortified, post-discharge formula that has enriched nutrition for infants who were born prematurely or with low birth weight*. Enfamil NeuroPro EnfaCare is the only post-discharge formula that has a fat-protein blend of MFGM and DHA, previously only found in breast milk†. Enfamil NeuroPro EnfaCare has vitamin and mineral amounts specially tailored for premature babies' first year of life after discharge from the hospital.

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 thanEnfamil NeuroPro™ Infant formula
  - 54% more calcium than Enfamil NeuroPro Infant formula§
  - 53% more phosphorus than Enfamil NeuroPro Infant formula§
  - 25% more vitamin D than Enfamil NeuroPro Infant formula§
- MFGM and DHA—brain-building nutrition inspired by breast milk
- DHA to promote brain and eye development[2-9]:
  - 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, 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.

† In amounts supported by clinical research.

‡ When used in a program of Enfamil® formulas: Enfamil® Premature, Enfamil® EnfaCare® and Enfamil® Infant. Studied before the reformulation of EnfaCare.

§ Enfamil NeuroPro Infant formula has 78 mg calcium, 43 mg phosphorous, and 75 IU (powder)/70 IU (ready-to-use) vitamin D per 100 Calories.

‖ 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 women[10].

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

Product Forms

Enfamil NeuroPro EnfaCare is available in powder and ready-to-use liquid. For ordering information, please refer to page 297.

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	14
Fat, g	5.3	5.3	3.9	3.9	27
Linoleic acid, mg	780	780	580	580	3900
Carbohydrate, g	10.4	10.4	7.7	7.7	52
Water, g	119	120	89	89	2.4
Vitamins/Other Nutrients					
Vitamin A, IU	450	450	330	330	2300
Vitamin D, IU	75	75	56	56	380
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	134	134	900
Riboflavin (Vitamin B_2), mcg	200	200	149	149	1000
Vitamin B_6, mcg	67	67	50	50	340
Vitamin B_{12}, mcg	0.3	0.3	0.22	0.22	1.5
Niacin, mcg	1000	1000	740	740	5000
Folic acid (Folacin), mcg	26	26	19.3	19.3	130
Pantothenic acid, mcg	850	850	630	630	4300
Biotin, mcg	6	6	4.5	4.5	30
Vitamin C (Ascorbic acid), mg	**16**	**16**	11.9	11.9	80
Choline, mg	24	24	17.9	17.9	120
Inositol, mg	24	24	17.9	17.9	120
Minerals					
Calcium, mg	120	120	89	89	600
Phosphorus, mg	66	66	49	49	330
Magnesium, mg	8	8	6	6	40
Iron, mg	1.8	1.8	1.34	1.34	9
Zinc, mg	1	1	0.74	0.74	5
Manganese, mcg	15	15	11.2	11.2	75
Copper, mcg	90	90	67	67	450
Iodine, mcg	21	21	15.6	15.6	105
Selenium, mcg	2.8	2.8	2.1	2.1	14
Sodium, mg	37	37	28	28	185
Potassium, mg	105	105	78	78	530
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)	280	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), whey-protein lipid concentrate#, coconut oil and less than 2%: *Mortierella alpina* oil**, *Schizochytrium sp.* 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 B_6 hydrochloride, vitamin D_3, folic acid, vitamin K_1, biotin, vitamin B_{12}, 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), whey protein-lipid concentrate#, coconut oil and less than 0.5%: *Mortierella alpina* oil**, *Schizochytrium sp.* oil††, mono- and diglycerides, soy lecithin, calcium phosphate, potassium citrate, calcium citrate, magnesium phosphate, sodium chloride, potassium chloride, sodium citrate, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, manganese sulfate, sodium selenite, carrageenan, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, thiamin hydrochloride, vitamin A palmitate, riboflavin, vitamin B_6 hydrochloride, folic acid, vitamin D_3, vitamin K_1, biotin, vitamin B_{12}, choline chloride, inositol, 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 source of arachidonic acid (ARA).
†† A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfamil NeuroPro™ EnfaCare® contains milk and soy.

References

1. Clandinin MT, Van Aerde JE, Merkel KL, et al. Growth and development of preterm infants fed infant formulas containing docosahexaenoic acid and arachidonic acid. *J Pediatr*. 2005;146:461–468.
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, at 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(6):669–677.
6. Hoffman DR, Birch EE, Castaneda 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.
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 mo. *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. 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.
11. Kunz C, Lönnerdal B. Re-evaluation of the whey protein/casein ratio of human milk. *Acta Paediatr*. 1992;81:107-112.
12. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr*. 1999;134:11-14.

Enfamil® EnfaCare®

Description/Indication

Enfamil 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*. Enfamil EnfaCare contains vitamin and mineral levels specially tailored for premature babies' first year of life after discharge from the hospital. Enfamil 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 Enfamil PREMIUM® Infant formula
  - 54% more calcium than Enfamil PREMIUM Infant formula
  - 53% more phosphorus than Enfamil PREMIUM Infant formula
  - 25% more vitamin D than Enfamil PREMIUM Infant formula
- DHA to promote brain and eye development[2-9]:
  - 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, 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.

† When used in a program of Enfamil® formulas: Enfamil® Premature, Enfamil EnfaCare and Enfamil® 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 women[10].

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

Product Forms

Enfamil EnfaCare is available in ready-to-use liquid. For ordering information, please refer to page 297.

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	2.8	2.1
Fat, g	5.3	3.9
Linoleic acid, mg	860	640
Carbohydrate, g	10.4	7.7
Water, g	120	89
Vitamins/Other Nutrients		
Vitamin A, IU	450	330
Vitamin D, IU	75	56
Vitamin E, IU	4	3
Vitamin K, mcg	9	6.7
Thiamin (Vitamin B_1), mcg	180	133
Riboflavin (Vitamin B_2), mcg	200	148
Vitamin B_6, mcg	67	50
Vitamin B_{12}, mcg	0.3	0.22
Niacin, mcg	1000	740
Folic acid (Folacin), mcg	26	19.3
Pantothenic acid, mcg	850	630
Biotin, mcg	6	4.4
Vitamin C (Ascorbic acid), mg	16	11.9
Choline, mg	24	17.8
Inositol, mg	24	17.8
Minerals		
Calcium, mg	120	89
Phosphorus, mg	66	49
Magnesium, mg	8	5.9
Iron, mg	1.8	1.33
Zinc, mg	1	0.74
Manganese, mcg	15	11.1
Copper, mcg	90	67
Iodine, mcg	21	15.6
Selenium, mcg	2.8	2.1
Sodium, mg	37	27
Potassium, mg	105	78
Chloride, mg	78	58

NUTRIENT FACTS

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

Composition

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‖, *Crypthecodinium 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 B_6 hydrochloride, folic acid, vitamin D_3, vitamin K_1, biotin, vitamin B_{12}, 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.

References

1. Clandinin MT, Van Aerde JE, Merkel KL, et al. Growth and development of preterm infants fed infant formulas containing docosahexaenoic acid and arachidonic acid. *J Pediatr*. 2005;146:461–468.
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.
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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.
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6. Hoffman DR, Birch EE, Castaneda 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.
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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 mo. *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.
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12. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr*. 1999;134:11-14.

Notes

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 298.

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 D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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)[1]	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)[1]	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, EHMF Powder increases osmolality by approximately 35 mOsm/kg water.

Enfamil® Liquid Human Milk Fortifier High Protein

Description/Indication

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

Product Features

- Helps to promote growth
  - 4 g protein/100 Cal of fortified preterm human milk* to help promote growth
- Commercially sterile, convenient 5.5 fl oz bottle designed for easy batch fortification mixing
- 4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce dilution
- Protein source is partially hydrolyzed whey protein
- Helps support DHA and ARA status in preterm infants

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

Product Form

Enfamil Liquid Human Milk Fortifier High Protein is available in an ultra-concentrated liquid. For ordering information, please refer to page 298.

NUTRIENTS

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

(Normal Dilution)	Per 5 mL Fortifier Only	20 mL Plus 100 mL Preterm Breast Milk† (120 mL)	Per 100 Cal Fortified Preterm Breast Milk†
Protein, g	0.56	3.9	4
Fat, g	0.58	5.8	6
Linoleic acid, mg	58	710	730
Carbohydrate, g	0.11	7.7	7.9
Water, g	3.8	104	107
Vitamins/Other Nutrients			
Vitamin A, IU	290	1210	1240
Vitamin D, IU	47	200	200
Vitamin E, IU	1.4	6	6.2
Vitamin K, mcg	1.42	7.7	7.9
Thiamin (Vitamin B_1), mcg	46	193	200
Riboflavin (Vitamin B_2), mcg	66	290	300
Vitamin B_6, mcg	35	146	150
Vitamin B_{12}, mcg	0.16	0.66	0.68
Niacin, mcg	920	3900	4000
Folic acid (Folacin), mcg	7.7	34	35
Pantothenic acid, mcg	230	1150	1190
Biotin, mcg	0.84	3.9	4.1
Vitamin C (Ascorbic acid), mg	3.8	20	20
Minerals			
Calcium, mg	29	141	145
Phosphorus, mg	15.8	78	80
Magnesium, mg	0.46	5.1	5.3
Iron, mg	0.44	1.85	1.9
Zinc, mg	0.24	1.33	1.37
Manganese, mcg	2.5	10.4	10.7
Copper, mcg	15	98	101
Sodium, mg	6.8	55	57
Potassium, mg	11.3	95	98
Chloride, mg	6.9	86	88

NUTRIENT FACTS

Nutrient Density	Per 20 mL (30 Cal)		
Protein (% Calories)	29‡	**Potential Renal Solute Load** (mOsm/100 Calories)[2]	33‡,§
Fat (% Calories)	65‡	**Potential Renal Solute Load** (mOsm/20 mL)[2]	18.3‡,‖
Carbohydrate (% Calories)	6‡	**Lactose-free**	No

† Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL[1].
‡ Fortifier only.
§ When mixed at normal dilution, 5 mL to 25 mL preterm human milk.
‖ 32 mOsm/120 mL when 20 mL added to 100 mL preterm human milk.

PRETERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 Cal

~Cal/fl oz	22	24
Preterm breast milk + ELHMF High Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	100	100
Protein, g	3.3	4
Fat, g	5.7	6
Carbohydrate, g	9.2	7.9
Water, g	118	107
Vitamins		
Vitamin A activity, IU	770	1240
Vitamin D, IU	124	200
Vitamin E, IU	3.9	6.2
Vitamin K, mcg	5.9	7.9
Thiamin (Vitamin B_1), mcg	123	200
Riboflavin (Vitamin B_2), mcg	194	300
Vitamin B_6, mcg	93	150
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	4.1
Vitamin C (Ascorbic acid), mg	14.6	20
Minerals		
Calcium, mg	101	145
Phosphorus, mg	56	80
Magnesium, mg	5.1	5.3
Iron, mg	1.18	1.9
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	88
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 + ELHMF High Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	75	81
Protein, g	2.5	3.3
Fat, g	4.2	4.8
Carbohydrate, g	6.8	6.4
Water, g	88	87
Vitamins/Other Nutrients		
Vitamin A activity, IU	570	1010
Vitamin D, IU	93	167
Vitamin E, IU	2.9	5
Vitamin K, mcg	4.4	6.4
Thiamin (Vitamin B_1), mcg	92	161
Riboflavin (Vitamin B_2), mcg	145	240
Vitamin B_6, mcg	69	122
Vitamin B_{12}, mcg	0.31	0.55
Niacin, mcg	1860	3300
Folic acid (Folacin), mcg	16.8	28
Pantothenic acid, mcg	630	960
Biotin, mcg	2	3.3
Vitamin C (Ascorbic acid), mg	10.9	16.7
Minerals		
Calcium, mg	75	118
Phosphorus, mg	42	65
Magnesium, mg	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 + ELHMF High Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	100	100
Protein, g	2.4	3.3
Fat, g	5.6	6
Carbohydrate, g	10	8.7
Water, g	118	108
Vitamins/Other Nutrients		
Vitamin A activity, IU	880	1340
Vitamin D, IU	116	194
Vitamin E, IU	4.4	6.6
Vitamin K, mcg	3.7	6.2
Thiamin (Vitamin B_1), mcg	122	200
Riboflavin (Vitamin B_2), mcg	220	320
Vitamin B_6, mcg	109	164
Vitamin B_{12}, mcg	0.48	0.74
Niacin, mcg	2700	4200
Folic acid (Folacin), mcg	32	43
Pantothenic acid, mcg	830	1180
Biotin, mcg	2.9	4.2
Vitamin C (Ascorbic acid), mg	21	26
Choline, mg	19.4	16.4
Inositol, mg	32	27
Minerals		
Calcium, mg	98	143
Phosphorus, mg	54	78
Magnesium, mg	5.1	5.2
Iron, mg	1.14	1.87
Zinc, mg	0.82	1.19
Manganese, mcg	6.4	10.6
Copper, mcg	73	92
Iodine, mcg	18.2	15.4
Selenium, mcg	2.4	2.1
Sodium, mg	39	47
Potassium, mg	85	95
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 + ELHMF High Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	75	81
Protein, g	1.84	2.7
Fat, g	4.2	4.8
Carbohydrate, g	7.5	7.1
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	92	161
Riboflavin (Vitamin B_2), mcg	165	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
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), soy oil and less than 2%: *Mortierella alpina* oil‖, *Schizochytrium Sp*. oil¶, pectin, vitamin A palmitate, vitamin E acetate, vitamin D_3, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, calcium citrate, calcium phosphate, cupric sulfate, sodium citrate, potassium citrate, calcium chloride, ferrous sulfate, magnesium phosphate, zinc sulfate.

‖ A source of arachidonic acid (ARA).
¶ A source of docosahexaenoic acid (DHA).

Potential Allergens

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

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

References

1. Data on file, Mead Johnson Nutrition, September 7, 2010.
2. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr.* 1999; 134:11-14.

Notes

Enfamil® Liquid Human Milk Fortifier Standard Protein

Description/Indication

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

Product Features

- Enriched nutrition for premature and late preterm infants that allows them to still receive human milk
- Increases protein, energy, calcium, phosphorus, iron, vitamin D and other nutrients of expressed breast milk
- Commercially sterile, convenient 5.5 fl oz bottle designed for easy batch fortification mixing
- Concentrated fortifier to increase nutrients and minimize need for other modular supplements
- 3.4 g of protein per 100 Cal when mixed with preterm human milk at the 24 Calorie per fluid ounce dilution*
- Protein source is partially hydrolyzed whey protein
- DHA and ARA to help support brain and eye development

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

Product Form

Enfamil Liquid Human Milk Fortifier Standard Protein is available in an ultra-concentrated liquid. For ordering information, please refer to page 298.

NUTRIENTS

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

(Normal Dilution)	Per 5 mL Fortifier Only	20 mL Plus 100 mL Preterm Breast Milk† (120 mL)	Per 100 Cal Fortified Preterm Breast Milk†
Protein, g	0.42	3.3	3.4
Fat, g	0.58	5.8	6
Linoleic acid, mg	58	710	730
Carbohydrate, g	0.28	8.4	8.7
Water, g	3.8	104	107
Vitamins/Other Nutrients			
Vitamin A, IU	290	1210	1240
Vitamin D, IU	47	200	200
Vitamin E, IU	1.4	6	6.2
Vitamin K, mcg	1.42	7.7	7.9
Thiamin (Vitamin B_1), mcg	46	193	200
Riboflavin (Vitamin B_2), mcg	66	290	300
Vitamin B_6, mcg	35	146	150
Vitamin B_{12}, mcg	0.16	0.66	0.68
Niacin, mcg	920	3900	4000
Folic acid (Folacin), mcg	7.7	34	35
Pantothenic acid, mcg	230	1150	1190
Biotin, mcg	0.84	3.9	4.1
Vitamin C (Ascorbic acid), mg	3.8	20	20
Minerals			
Calcium, mg	29	141	145
Phosphorus, mg	15.8	78	80
Magnesium, mg	0.46	5.1	5.3
Iron, mg	0.44	1.85	1.9
Zinc, mg	0.24	1.33	1.37
Manganese, mcg	2.5	10.4	10.7
Copper, mcg	15	98	101
Sodium, mg	6.8	55	57
Potassium, mg	11.3	95	98
Chloride, mg	6.9	86	88

NUTRIENT FACTS

Nutrient Density	Per 20 mL (30 Cal)		
Protein (% Calories)	22‡	**Potential Renal Solute Load** (mOsm/100 Calories)[2]	30§
Fat (% Calories)	66‡	**Potential Renal Solute Load** (mOsm/20 mL)[2]	14.7‡,‖
Carbohydrate (% Calories)	12‡	**Lactose-free**	No

† Calculated using values for preterm human breast milk compiled from multiple published studies; protein value used for preterm human milk is 1.62 g/100 mL[1].
‡ Fortifier only.
§ When mixed at normal dilution, 5 mL to 25 mL preterm human milk.
‖ 29 mOsm/120 mL when 20 mL added to 100 mL preterm human milk.

PRETERM HUMAN MILK CALORIC RECIPES

Nutrients per 100 Cal

~Cal/fl oz	22	24
Preterm breast milk + ELHMF Standard Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	100	100
Protein, g	3	3.4
Fat, g	5.7	6
Carbohydrate, g	9.6	8.7
Water, g	118	107
Vitamins		
Vitamin A activity, IU	770	1240
Vitamin D, IU	124	200
Vitamin E, IU	3.9	6.2
Vitamin K, mcg	5.9	7.9
Thiamin (Vitamin B_1), mcg	123	200
Riboflavin (Vitamin B_2), mcg	194	300
Vitamin B_6, mcg	93	150
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	4.1
Vitamin C (Ascorbic acid), mg	14.6	20
Minerals		
Calcium, mg	101	145
Phosphorus, mg	56	80
Magnesium, mg	5.1	5.3
Iron, mg	1.18	1.9
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	88
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 + ELHMF Standard Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	75	81
Protein, g	2.2	2.8
Fat, g	4.2	4.8
Carbohydrate, g	7.1	7
Water, g	88	87
Vitamins/Other Nutrients		
Vitamin A activity, IU	570	1010
Vitamin D, IU	93	167
Vitamin E, IU	2.9	5
Vitamin K, mcg	4.4	6.4
Thiamin (Vitamin B_1), mcg	92	161
Riboflavin (Vitamin B_2), mcg	145	240
Vitamin B_6, mcg	69	122
Vitamin B_{12}, mcg	0.31	0.55
Niacin, mcg	1860	3300
Folic acid (Folacin), mcg	16.8	28
Pantothenic acid, mcg	630	960
Biotin, mcg	2	3.3
Vitamin C (Ascorbic acid), mg	10.9	16.7
Minerals		
Calcium, mg	75	118
Phosphorus, mg	42	65
Magnesium, mg	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 + ELHMF Standard Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	100	100
Protein, g	2.1	2.7
Fat, g	5.6	6
Carbohydrate, g	10.4	9.4
Water, g	118	108
Vitamins/Other Nutrients		
Vitamin A activity, IU	880	1340
Vitamin D, IU	116	194
Vitamin E, IU	4.4	6.6
Vitamin K, mcg	3.7	6.2
Thiamin (Vitamin B_1), mcg	136	210
Riboflavin (Vitamin B_2), mcg	220	320
Vitamin B_6, mcg	109	164
Vitamin B_{12}, mcg	0.48	0.74
Niacin, mcg	2700	4200
Folic acid (Folacin), mcg	32	43
Pantothenic acid, mcg	830	1180
Biotin, mcg	2.9	4.2
Vitamin C (Ascorbic acid), mg	21	26
Choline, mg	13.3	16.4
Inositol, mg	22	27
Minerals		
Calcium, mg	98	143
Phosphorus, mg	54	78
Magnesium, mg	5.1	5.2
Iron, mg	1.14	1.87
Zinc, mg	0.82	1.19
Manganese, mcg	6.4	10.6
Copper, mcg	73	92
Iodine, mcg	18.2	15.4
Selenium, mcg	2.4	2.1
Sodium, mg	39	47
Potassium, mg	85	95
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 + ELHMF Standard Protein	50 mL + 5 mL	25 mL + 5 mL
Final volume, mL	**55**	**30**
Energy, Cal	75	81
Protein, g	1.58	2.2
Fat, g	4.2	4.8
Carbohydrate, g	7.8	7.6
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	165	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	13.3	13.3
Inositol, mg	22	22
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), maltodextrin, soy oil, and less than 2%: *Mortierella alpina* oil¶, *Schizochytrium sp*. oil#, calcium citrate, calcium phosphate, potassium citrate, calcium chloride, sodium citrate, magnesium phosphate, ferrous sulfate, zinc sulfate, cupric sulfate, pectin, ascorbic acid, vitamin E acetate, niacinamide, calcium pantothenate, vitamin A palmitate, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, vitamin K_1, biotin, vitamin B_{12}, vitamin D_3.

¶ A source of arachidonic acid (ARA).
# A source of docosahexaenoic acid (DHA).

Potential Allergens

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

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

References

1. Data on file, Mead Johnson Nutrition, September 7, 2010.

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

Notes

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,*]:
  - ~21% more protein than Enfamil® Human Milk Fortifier Powder†
  - Helps premature infants achieve significantly higher achieved weight, length, head circumference and linear growth rate than Enfamil HMF Powder with the same volume intake[1]
- 4 g of protein per 100 Cal when mixed with preterm human milk†
- 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,‡]:
  - No statistical differences in confirmed NEC (3%), sepsis (12%) or serious adverse events than Enfamil HMF Powder[1]
- Shown to significantly improve DHA and ARA status in preterm infants compared to Enfamil HMF Powder[4]

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

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

‡ Studies used EHMFAL 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 298.

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§
Protein, g	2.2	3.8	4
Fat, g	2.3	5.8	6
Linoleic acid, mg	230	710	730
Carbohydrate, g	<1.2	7.9	8.1
Water, g	15.1	104	107
Vitamins/Other Nutrients			
Vitamin A, IU	1160	1210	1250
Vitamin D, IU	188	200	210
Vitamin E, IU	5.6	6	6.2
Vitamin K, mcg	5.7	7.7	7.9
Thiamin (Vitamin B_1), mcg	184	193	200
Riboflavin (Vitamin B_2), mcg	260	290	300
Vitamin B_6, mcg	140	146	151
Vitamin B_{12}, mcg	0.64	0.66	0.68
Niacin, mcg	3700	3900	4000
Folic acid (Folacin), mcg	31	34	35
Pantothenic acid, mcg	920	1150	1190
Biotin, mcg	3.4	3.9	4
Vitamin C (Ascorbic acid), mg	15.2	20	21
Minerals			
Calcium, mg	116	141	145
Phosphorus, mg	63	78	80
Magnesium, mg	1.84	5.1	5.3
Iron, mg	1.76	1.85	1.91
Zinc, mg	0.96	1.33	1.37
Manganese, mcg	10	10.4	10.7
Copper, mcg	60	98	101
Sodium, mg	27	55	57
Potassium, mg	45	95	98
Chloride, mg	28	86	89

NUTRIENT FACTS

Nutrient Density	Per 4 Vials (30 Cal)
Protein (% Calories)	29
Fat (% Calories)	65
Carbohydrate (% Calories)	6
Potential Renal Solute Load (mOsm/100 Calories)[5]	33‖

	Per 4 Vials (30 Cal)
Potential Renal Solute Load (mOsm/4 vials)[5] Concentrate only	17.7 per 4 vials¶
Lactose-free	No

	Per 1 Vial	Per 4 Vials	EHMFAL + 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[6].
‖ 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, EHMFAL 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 + EHMFAL concentrate	50 mL + 5 mL	25 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 + EHMFAL concentrate	50 mL + 5 mL	25 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 + EHMFAL concentrate	50 mL + 5 mL	25 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 + EHMFAL concentrate	50 mL + 5 mL	25 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**, *Crypthecodinium cohnii* oil††, pectin, vitamin A palmitate, vitamin E acetate, vitamin D_3, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, 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.

References

1. Moya F, Sisk PM, Walsh KR, et al. A new liquid human milk fortifier and linear growth in preterm infants. *Pediatrics*. 2012;130:e928-935.
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3. Mayberry L, Wolf S. Tracking nutritional protein management in the preterm infant using Vermont-Oxford benchmarks. *FASEB J*. 2014;28(1 suppl):LB318.
4. Berseth CL, Harris CL, Wampler JL, et al. Liquid human milk fortifier significantly improves docosahexaenoic and arachidonic acid status in preterm infants. *Prostaglandins Leukot Essent Fatty Acids*. 2014;91:97-103.
5. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute in infancy. *J Pediatr*. 1999;134:11-14.
6. Data on file, Mead Johnson Nutrition, September 7, 2010.

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 297.

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) endorsed[1] the Centers for Disease Control and Prevention's report[2] 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 297.

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
24 Cal/fl oz
2 fl oz
#166802

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

Human Milk Fortification

Enfamil® Human Milk
Fortifier High Protein
5.5 fl oz
#178301

Enfamil® Human Milk
Fortifier Standard Protein
5.5 fl oz
#178201

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

Feeding Solution Formulas

Enfamil® Gentlease®
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 Gentlease
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® DHA & ARA
Supplement
2 fl oz
#426201

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 NeuroPro™
EnfaCare®
22 Cal/fl oz
2 fl oz
#124902

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

Oral Electrolyte

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

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

Accessories

Mead Johnson distributes plastic bottles, Snappies® Breast Milk Storage Containers, Grad-U-Feed® Nursers and Cleft Lip/Palate Nursers. 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 designed for measured feedings in neonatal intensive care nurseries. The Grad-U-Feed Nurser is packaged sterile by gamma irradiation. The nursers are made of polypropylene. Nipple units are not provided with Grad-U-Feed Nursers. Enfamil® nipples may be used. There are 100 Grad-U-Feed Nursers per case.

Grad-U-Feed
Nurser
100/case
#006806

Grad-U-Feed
Nurser with Cap
100/case
#006804

Grad-U-Feed® Caps:

These white plastic caps are designed to fit the Grad-U-Feed Nurser with easier close and help prevent leakage. Caps are packaged sterile by gamma irradiation. Bulk packaged caps are clean and ready to use.

Grad-U-Feed Caps
200/case
#006807

Grad-U-Feed Nurser
with Cap - 2 pack
50x2 packs
#006805

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

Snappies is a trademark of Thermo Fisher Scientific Inc.

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

MAM Pacifiers:

MAM pacifiers are a one-piece design made of 100% silicone and are BPA/BPS-free. The small-shield design leaves more space for breathing masks or medical devices. The Preemie Size 2 can be customized to fit nasogastric tubing. MAM pacifiers are suitable for cleaning and germ reduction in autoclaves (up to 273°F/134°C).

MAM Comfort™ Pacifier
For infants >1400 g
144/case
#594201

MAM Preemie Size 2 Pacifier
For infants 900 -1500 g
144/case
#594301

Note: The MAM Preemie Size 2 Pacifier is a medical device for premature babies that is only suitable for hospital use. It is intended to compensate for the sucking and swallowing weaknesses in premature babies. It, therefore, does not comply with 16 CFR 1511, and must not be taken home.

MAM pacifiers are a product of MAM USA Corporation.

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 and a 32 fl oz bottle, is commercially sterile and 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
32 fl oz
#134503

Enfamil
5% Glucose in Water
2 fl oz
#134601

NeoMed® Transfer Lid:

The NeoMed Transfer Lid is ENFit® compatible and meets AND and ASPEN guidelines for aseptic handling of breast milk. It has a reclosable cap that fits on all Mead Johnson hospital feeding products, including 2 fl oz Nursette® bottles, 8 fl oz bottles and Grad-U-Feed® bottles. The NeoMed Transfer Lid is made with class VI polypropylene.

NeoMed Transfer Lid
200/case
#594401

NeoMed® Syringes:

NeoMed syringes are ENFit® compatible and meet the 2016 GEDSA position statement recommendations. The syringes are available in 1 mL and 12 mL sizes for enteral and direct oral administration. They support accurate dispensing and are designed with an offset tip, solid plunger and o-ring to minimize lipid loss. The syringes include a self-righting tip cap necessary for adherence to aseptic technique protocols.

ENFit is a registered trademark of GEDSA. NeoMed is a registered trademark of NeoMed, Inc.

NeoMed 1 mL Syringe
200/case
#594501

NeoMed 12 mL Syringe
200/case
#594502

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.

NUK is a registered trademark of MAPA, Germany.

Enfamil®
Standard-Flow Soft Nipple
240/case
#428816

Enfamil®
Slow-Flow Soft Nipple
240/case
#433905

Enfamil®
Cross-Cut Nipple
240/case
#428813

Coming Soon!

NUK® Orthodontic
Slow-Flow Nipple
240/case
#210504

Enfamil®
Extra Slow-Flow Soft Nipple
240/case
#433912

STARTER KITS

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

Enfamil® Wonder Bag – Powder	#3006-U4
Enfamil® Wonder Bag – Liquid	#3006-U3
NICU Kits Available	
NICU Welcome Kit	#3006-D1
Enfamil NeuroPro™ EnfaCare® Sample Kit (Powder)	#3006-W3
COMING SOON – EnfaCare® Wonder Bag	#3006-Z1

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 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 proven* 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 infants[6]
- 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 women[1].

‡ 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 297.

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§
Protein, g	2.1	1.7
Fat, g	5.3	4.3
Linoleic acid, mg	780	630
Carbohydrate, g	11.2	9.1
Water, g	106	86
Vitamins/Other Nutrients		
Vitamin A, IU	300	240
Vitamin D, IU	75	61
Vitamin E, IU	2	1.62
Vitamin K, mcg	9	7.3
Thiamin (Vitamin B_1), mcg	80	65
Riboflavin (Vitamin B_2), mcg	140	114
Vitamin B_6, mcg	60	49
Vitamin B_{12}, mcg	0.3	0.24
Niacin, mcg	1000	810
Folic acid (Folacin), mcg	16	13
Pantothenic acid, mcg	500	410

	Per 100 Calories (4.2 fl oz)	Per 100 mL§
Biotin, mcg	3	2.4
Vitamin C (Ascorbic acid), mg	12	9.7
Choline, mg	24	19.5
Inositol, mg	6	4.9
Minerals		
Calcium, mg	78	63
Phosphorus, mg	43	35
Magnesium, mg	8	6.5
Iron, mg	1.8	1.46
Zinc, mg	1	0.81
Manganese, mcg	15	12.2
Copper, mcg	75	61
Iodine, mcg	15	12.2
Selenium, mcg	2.8	2.3
Sodium, mg	27	22
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
Protein (% Calories)	8.5
Whey:Casein Ratio	80:20
Fat (% Calories)	48
Carbohydrate (% Calories)	43.5
Potential Renal Solute Load (mOsm/100 Calories)[8]	19.1

	24 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[8]	15.4
Osmolality (mOsm/kg water)	370
Osmolarity (mOsm/L)	320
Lactose-free	No

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 B_6 hydrochloride, folic acid, vitamin K_1, vitamin B_{12}, vitamin D_3, 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.
4. 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.
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.
6. 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.
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 development[1-8]
  - 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 296.

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)
Protein, g	2.6	1.76	13.1
Fat, g	5.3	3.6	27
Linoleic acid, mg	780	530	3900
Carbohydrate, g	10.8	7.3	55
Water, g	132	89	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1520
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	10.1
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	710
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.52
Niacin, mcg	1000	680	5100
Folic acid (Folacin), mcg	16	10.8	81
Pantothenic acid, mcg	500	340	2500
Biotin, mcg	3	2	15.2
Vitamin C (Ascorbic acid), mg	12	8.1	61
Choline, mg	24	16.2	121
Inositol, mg	6	4.1	30
Minerals			
Calcium, mg	200	132	980
Phosphorus, mg	130	88	660
Magnesium, mg	8	5.4	40
Iron, mg	1.5	1.01	7.6
Zinc, mg	1	0.68	5.1
Manganese, mcg	15	10.1	76
Copper, mcg	75	51	380
Iodine, mcg	10	6.8	51
Selenium, mcg	2.8	1.89	14.1
Sodium, mg	36	24	182
Potassium, mg	130	88	660
Chloride, mg	80	54	400

NUTRIENT FACTS

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

Composition

Ingredients: Powder: Nonfat milk, vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), corn syrup solids, lactose, calcium phosphate and less than 2%: galactooligosaccharides†, polydextrose†, *Mortierella alpina* oil‡, *Crypthecodinium cohnii* oil§, sodium chloride, potassium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, manganese sulfate, sodium selenite, soy lecithin, choline chloride, ascorbic acid, niacinamide, calcium pantothenate, riboflavin, thiamin hydrochloride, vitamin B_6 hydrochloride, vitamin D_3, folic acid, vitamin K_1, biotin, vitamin B_{12}, inositol, vitamin E acetate, vitamin A palmitate, taurine, L-carnitine.

† A type of prebiotic.
‡ A source of arachidonic acid (ARA).
§ A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfagrow PREMIUM™ Toddler Transitions® contains milk and soy.

References

1. 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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4. 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.
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.
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9. Fomon SJ, Ziegler EE. Renal solute load and potential renal solute load in infancy. *J Pediatr*. 1999;134:11-14.

Notes

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 infancy[1] 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 development[2-9]
  - 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)
Protein, g	2.6	1.76	12.9
Fat, g	5.3	3.6	26
Linoleic acid, mg	800	540	4000
Carbohydrate, g	10.5	7.1	52
Water, g	133	90	2.4
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1490
Vitamin D, IU	60	41	300
Vitamin E, IU	2	1.35	9.9
Vitamin K, mcg	9	6.1	45
Thiamin (Vitamin B_1), mcg	80	54	400
Riboflavin (Vitamin B_2), mcg	140	95	700
Vitamin B_6, mcg	60	41	300
Vitamin B_{12}, mcg	0.3	0.2	1.49
Niacin, mcg	1000	680	5000
Folic acid (Folacin), mcg	16	10.8	80
Pantothenic acid, mcg	500	340	2500

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (500 Cal)
Biotin, mcg	3	2	14.9
Vitamin C (Ascorbic acid), mg	12	8.1	60
Choline, mg	24	16.2	119
Inositol, mg	6	4.1	30
Minerals			
Calcium, mg	200	135	990
Phosphorus, mg	130	88	650
Magnesium, mg	8	5.4	40
Iron, mg	1.5	1.01	7.5
Zinc, mg	1	0.68	5
Manganese, mcg	15	10.1	75
Copper, mcg	75	51	370
Iodine, mcg	15	10.1	75
Selenium, mcg	2.8	1.89	13.9
Sodium, mg	40	27	200
Potassium, mg	130	88	650
Chloride, mg	80	54	400

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	10
Whey:Casein Ratio	60:40
Fat (% Calories)	48
Carbohydrate (% Calories)	42
Potential Renal Solute Load (mOsm/100 Calories)[10]	26

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[10]	17.8
Osmolality (mOsm/kg water)	230
Osmolarity (mOsm/L)	210
Lactose-free	No

Product Forms

Enfagrow® Toddler Transitions® Gentlease® is available in powder.
For ordering information, please refer to page 297.

Composition

Ingredients: Corn syrup solids, partially hydrolyzed nonfat milk and whey protein concentrate solids (soy), vegetable oil (palm olein, coconut, soy and high oleic sunflower oils), calcium phosphate and less than 2%: *Mortierella alpina* oil‡, *Crypthecodinium cohnii* oil§, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, calcium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, potassium chloride, potassium iodide, sodium selenite, sodium citrate, taurine, L-carnitine.

‡ A source of arachidonic acid (ARA).
§ A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfagrow Toddler Transitions 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. 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.
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. 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.
6. 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.
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 mo. *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

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 protein[1].

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 development[2-9]
  - 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)
Protein, g	3.3	2.2	15.7
Fat, g	4.4	3	21
Linoleic acid, mg	720	490	3400
Carbohydrate, g	11.8	8	56
Water, g	132	89	2.7
Vitamins/Other Nutrients			
Vitamin A, IU	300	200	1420
Vitamin D, IU	60	41	280
Vitamin E, IU	2	1.35	9.5
Vitamin K, mcg	8	5.4	38
Thiamin (Vitamin B_1), mcg	80	54	380
Riboflavin (Vitamin B_2), mcg	90	61	430
Vitamin B_6, mcg	60	41	280
Vitamin B_{12}, mcg	0.3	0.2	1.42
Niacin, mcg	1000	680	4700
Folic acid (Folacin), mcg	16	10.8	76
Pantothenic acid, mcg	500	340	2400

	Per 100 Calories (5 fl oz)	Per 100 mL	Per 100 grams Powder (470 Cal)
Biotin, mcg	3	2	14.2
Vitamin C (Ascorbic acid), mg	12	8.1	57
Choline, mg	24	16.2	114
Inositol, mg	6	4.1	28
Minerals			
Calcium, mg	195	132	930
Phosphorus, mg	130	88	620
Magnesium, mg	11	7.4	52
Iron, mg	2	1.35	9.5
Zinc, mg	1.2	0.81	5.7
Manganese, mcg	50	34	240
Copper, mcg	75	51	360
Iodine, mcg	15	10.1	71
Selenium, mcg	2.8	1.89	13.3
Sodium, mg	36	24	171
Potassium, mg	120	81	570
Chloride, mg	80	54	380

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	13
Fat (% Calories)	40
Carbohydrate (% Calories)	47
Potential Renal Solute Load (mOsm/100 Calories)[10]	30

	20 Calories/fl oz
Potential Renal Solute Load (mOsm/100 mL)[10]	20
Osmolality (mOsm/kg water)	230
Osmolarity (mOsm/L)	200
Lactose-free	Yes

Product Forms

Enfagrow® Toddler Transitions® Soy is available in powder. For ordering information, please refer to page 297.

Composition

Ingredients: Corn syrup solids (57%), vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) (20%), soy protein isolate (18%), calcium phosphate (3%) and less than 1%: *Mortierella alpina* oil*, *Crypthecodinium cohnii* oil†, vitamin A palmitate, vitamin D_3, vitamin E acetate, vitamin K_1, thiamin hydrochloride, riboflavin, vitamin B_6 hydrochloride, vitamin B_{12}, niacinamide, folic acid, calcium pantothenate, biotin, ascorbic acid, choline chloride, inositol, potassium phosphate, magnesium chloride, ferrous sulfate, zinc sulfate, cupric sulfate, potassium iodide, sodium selenite, sodium chloride, potassium chloride, potassium citrate, L-methionine, taurine, L-carnitine.

* A source of arachidonic acid (ARA).
† A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfagrow Toddler Transitions Soy contains soy.

References

1. Bhatia J, Greer F; American Academy of Pediatrics Committee on Nutrition. Use of soy protein-based formulas in infant feeding. *Pediatrics*. 2008;121:1062-1068.
2. 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.
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. 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.
6. 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.
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 mo. *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

Enfagrow NeuroPro™ Toddler Nutritional Drink

Natural Milk Flavor and Natural Vanilla Flavor

(with other natural flavors)

Description/Indication

Enfagrow NeuroPro Toddler Nutritional Drink is a toddler nutritional drink for toddlers age 1+ years. Enfagrow NeuroPro Toddler is designed as a nutritious alternative to milk that complements a toddler's diet during the transition from breast milk or infant formula. It has 24 total nutrients, including MFGM and DHA, prebiotics, iron, and vitamins C and E to help close nutritional gaps in a toddler's diet and help support mental development.

Product Features

- Milk fat globule membrane (MFGM) and omega-3 DHA to support brain development
- Emerging evidence suggests MFGM helps support emotional and behavioral development*
- Dual prebiotics, vitamin C and zinc to help support immune health
- 24 key nutrients to complement a toddler's challenging diet
- Made with real milk
- Available in Natural Milk and Natural Vanilla flavors
- Non-GMO†
- No artificial preservatives, sweeteners or colors
- Kosher

* Based on a behavioral questionnaire as reported by parents of children 2–6 years old, comparing consumption of a milk-based drink with or without MFGM added as an ingredient.

† 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 NeuroPro Toddler Nutritional Drink is available in ready-to-use liquid. For ordering information, please refer to page 296.

NUTRIENTS

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

(Normal Dilution)	Per 160 Calories (8 fl oz)	Per 100 mL
Calories	160	
Protein, g	6	
Fat, g	6	
Saturated fat, g	2.5	
Cholesterol, mg	20	
Docosahexaenoic acid, mg		
Carbohydrate, g	20	
Dietary fiber, g	1	
Water, g		
Vitamins/Other Nutrients		
Vitamin A, IU	125	
Vitamin D, IU	152	
Vitamin E, IU	1.8	
Thiamin (Vitamin B_1), mcg	130	
Riboflavin (Vitamin B_2), mcg	160	
Vitamin B_6, mcg	130	
Niacin, mcg	2000	
Folic acid, mcg	23	
Biotin, mcg	4	
Pantothenic acid, mcg	600	
Vitamin C (Ascorbic acid), mg	7.5	
Minerals		
Calcium, mg	250	
Phosphorus, mg	187	
Magnesium, mg	20	
Iron, mg	2.5	
Zinc, mg	0.75	
Copper, mcg	90	
Sodium, mg	100	
Potassium, mg	550	

NUTRIENT FACTS

Nutrient Density	20 Calories/fl oz
Protein (% Calories)	
Whey:Casein Ratio	
Fat (% Calories)	
Carbohydrate (% Calories)	
Potential Renal Solute Load (mOsm/100 Calories)[1]	
Potential Renal Solute Load (mOsm/100 mL)[1]	
Osmolality (mOsm/kg water)	
Osmolarity (mOsm/L)	
Lactose-free	No

Composition

Ingredients: Water, buttermilk‡, nonfat milk, vegetable oil (palm olein, soy, coconut and high oleic sunflower oils) and less than 2%: Galactooligosaccharides§, polydextrose§, *Schizochytrium sp.* oil‖, sugar, corn syrup solids, potassium citrate, calcium phosphate, potassium chloride, magnesium phosphate, ferrous sulfate, zinc sulfate, manganese sulfate, cupric sulfate, soy lecithin, manganese sulfate, cupric sulfate, soy lecithin, natural flavor, choline chloride, ascorbic acid, vitamin E acetate, niacinamide, vitamin A palmitate, thiamin hydrochloride, vitamin B_6 hydrochloride, folic acid, biotin, mono- and diglycerides, carrageenan, cellulose gel, cellulose gum, vitamin D_3.

‡ Source of MFGM (milk fat globule membrane) and phospholipids.
§ A type of prebiotic.
‖ A source of docosahexaenoic acid (DHA).

Potential Allergens

Enfagrow NeuroPro™ Toddler Nutritional Drink contains milk and soy.

Reference

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

Notes

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 296.

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 B_6 hydrochloride, thiamin hydrochloride, vitamin D_3, 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‡, *Crypthecodinium 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 B_6 hydrochloride, riboflavin, vitamin A palmitate, folic acid, biotin, mono- and diglycerides, vitamin D_3.

‡ 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 B_6	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 B_6	50%
Vitamin / Vitamina C	25%	· Folic Acid / Acido Folico	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 296.

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	2.4
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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, 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†, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin A palmitate, folic acid, biotin, mono- and diglycerides, natural flavor, vitamin D_3.

† 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 B_6	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 B_6	50%
Vitamin / Vitamina C	25%	· Folic Acid / Acido Folico	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%

Notes

Dietary *Supplements*

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 serving.

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[1].

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 +110 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

- 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
- Refrigeration is not required
- Gluten-free
- 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, mcg	10 (400 IU)	100	67

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 297.

Usual Daily Serving
Drops: 1.0 mL daily.

Composition

Other Ingredients: Glycerin, water, polysorbate 80 (emulsifier), citric acid (antioxidant for vitamin D), natural flavor, 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 serving. 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 day[1].

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 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

- One daily serving of Enfamil Poly-Vi-Sol has 9 vitamins and is fruit flavored
- 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 Poly-Vi-Sol 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, mcg RAE	250	50	83
Vitamin D, mcg	10 (400 IU)	100	67
Vitamin E, mg	5	100	83
Vitamin C, mg	50	100	333
Thiamin, mg	0.3	100	60
Riboflavin, mg	0.4	100	80
Niacin, mg NE	4	100	67
Vitamin B_6, mg	0.3	100	60
Vitamin B_{12}, mcg	0.5	100	56

Product Form

Enfamil® Poly-Vi-Sol® Liquid Multivitamin Supplement is available as drops in 50 mL bottles. For ordering information, please refer to page 299.

Usual Daily Serving

Drops: 1 mL.

Composition

Other Ingredients: Glycerin, water, polysorbate 80 (emulsifier), natural flavor, ferrous sulfate, sulfuric acid (antioxidant for iron), 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 serving 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 day[1].

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 B_{12} 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 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

- One daily serving of Enfamil Poly-Vi-Sol with Iron has 8 vitamins and iron and is fruit-flavored
- 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, mcg RAE	250	50	83
Vitamin D, mcg	10 (400 IU)	100	67
Vitamin E, mg	5	100	83
Vitamin C, mg	50	100	333
Thiamin, mg	0.3	100	60
Riboflavin, mg	0.4	100	80
Niacin, mg NE	4	100	67
Vitamin B_6, mg	0.3	100	60
Iron, mg	11	100	157

- Helps support a developing immune system†
- No artificial colors or flavors
- Enfamil® Poly-Vi-Sol® 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 299.

Usual Daily Serving

Drops: 1 mL.

Composition

Other **Ingredients:** Glycerin, water, polysorbate 80 (emulsifier), natural flavor, 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 serving. 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 day[1].

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

- 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
- 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, mcg RAE	250	50	83
Vitamin C, mg	50	100	333
Vitamin D, mcg	10 (400 IU)	100	67

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 300.

Usual Daily Serving

Drops: 1 mL.

Composition

Other Ingredients: Glycerin, water, polysorbate 80 (emulsifier), sodium hydroxide, natural flavor.

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 managed diabetes[4].

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 water[5,*]. 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
- 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 298.

Usual Daily Serving

Drops: 1 mL or as prescribed.

Composition

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

NUTRIENTS			
Nutrient	Per 1 mL	% DV Infants	% DV Children under age 4 years
Iron, mg	15	136	214

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[6].**

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.

Enfamom™ Prenatal

Vitamin & Mineral Supplement

Description/Indication

Enfamom Prenatal Vitamin & Mineral Supplement is specially formulated to support women's health throughout pregnancy while supporting a baby's development needs*. It is designed to be used before, during and after pregnancy. 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

- DHA:
  - 200 mg DHA per softgel
  - Expert-recommended DHA to help support brain and eye development*
- Folate:
  - Has 99% recommended daily value for folate
  - Helps support brain development and central nervous system development*
- Calcium:
  - 250 mg calcium to support bone health*
  - 25% higher calcium than the leading brand†
  - Vitamin D to help promote calcium absorption*
- No high-fructose corn syrup
- No artificial flavors
- No artificial sweeteners
- Sugar-free

* 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.

† 250 mg vs. 200 mg in One A Day®. Enfamom has not been shown to be superior in supporting bone health compared to One A Day. One A Day is a registered trademark of an entity unrelated to Mead Johnson & Company, LLC.

NUTRIENTS

Nutrient	Amount per Serving	% DV for Pregnant and Lactating Women
Vitamin A, mcg RAE	650	50
Vitamin C, mg	60	50
Vitamin D, mcg	10	67
Vitamin E, mg	20.1	106
Thiamin, mg	1.7	121
Riboflavin, mg	2	125
Niacin, mg	20	111
Vitamin B_6, mg	2.5	125
Folate, mcg DFE	595	99
Vitamin B_{12}, mcg	8	286
Biotin, mcg	300	857
Pantothenic Acid, mg	10	143
Calcium, mg	250	19
Iron, mg	28	104
Iodine, mcg	150	52
Magnesium, mg	50	13
Zinc, mg	15	115
Copper, mg	2	154
Omega-3 Fatty Acids (from fish oil)		‡
DHA (Docosahexaenoic Acid), mg	200	‡
EPA (Eicosapentaenoic Acid), mg	35	‡

‡ Daily value not established.

Product Form

Enfamom™ Prenatal Vitamin & Mineral Supplement is available in bottles with 30 softgels. For ordering information, please refer to page 300.

Composition

Ingredients: As noted in supplement facts.

Other Ingredients: Bovine gelatin, glycerin, medium chain triglycerides, yellow beeswax, purified water, soy lecithin, annatto color.

Potential Allergens

Enfamom Prenatal Vitamin & Mineral Supplement contains fish (anchovy, mackerel, sardine, smelt and tuna), soy and sulfites.

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.

Do not exceed suggested serving. If pregnant, considering pregnancy, breastfeeding, are taking medication, or have a medical condition, please seek the advice of a healthcare professional before using. Folate intake should not exceed 1,000 mcg. As with any product that has iron or the fat-soluble vitamins D and E, adhere carefully to the amount recommended by your healthcare professional. Do not use if safety seal under cap is torn or missing. Due to the sources of color, some dark spots may appear on softgel over time. This does not impact product quality.

Notes

Enfamil® Infant Probiotics

Dietary Supplement

Description/Indication

Enfamil Infant Probiotics is a dietary supplement for infants 0–12 months of age. It has two of the most clinically studied probiotic strains, LGG® and BB-12® to support the immune system.*,†

Product Features

- Has LGG & BB-12 probiotics, two of the most clinically studied probiotics shown to support the immune system*,†
- Designed to support the digestive system where nutrient absorption occurs*
- No artificial sweeteners, flavors or silicone dioxide

LGG® and BB-12® are registered trademarks of Chr. Hansen A/S.

* 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.

† Clinical studies in LGG® & BB-12® probiotics individually, given in probiotic supplement or formula and/or toddler years.

NUTRIENTS		
Nutrient	Per 6 drops	%DV Infants through 12 Months of Age
Probiotic Blend (*Lactobacillus rhamnosus, Bifidobacterium animalis subsp. lactis*), mg	12 (2.5 billion CFU)	‡

‡ Daily value not established.

Product Form

Enfamil® Infant Probiotics is available as drops in 0.3 fl oz bottles. For ordering information, please refer to page 297.

Usual Daily Serving

6 drops daily.

Composition

Ingredients: As noted in Supplement Facts.

Other Ingredients: High oleic sunflower oil, vitamin E (antioxidant).

Talk to your baby's doctor about Enfamil Infant Probiotics Dietary Supplement. Consult with your baby's doctor before using in premature or immunocompromised babies or if consuming other products that have probiotics, such as supplements or formulas.

Enfamil® Breastfed Infant Probiotics & Vitamin D

Description/Indication

Enfamil Breastfed Infant Probiotics & Vitamin D is a dietary supplement for fully or partially breastfed infants 0–12 months of age. It has two of the most clinically studied probiotic strains, LGG® and BB-12®, and vitamin D as recommended by experts for all breastfed infants.

Product Features

- Has LGG & BB-12 probiotics, two of the most clinically studied probiotics shown to support the immune system*,†
- 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*
- Designed to support the digestive system where nutrient absorption occurs*
- No artificial sweeteners, flavors or silicone dioxide

LGG® and BB-12® are registered trademarks of Chr. Hansen A/S.

* 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.

† Clinical studies in LGG® & BB-12® probiotics individually, given in probiotic supplement or formula and/or toddler years.

NUTRIENTS		
Nutrient	Per 6 drops	%DV Infants through 12 Months of Age
Vitamin D (Cholecalciferol), mcg	10 (400 IU)	100
Probiotic Blend (*Lactobacillus rhamnosus, Bifidobacterium animalis subsp. lactis*), mg	12 (2.5 billion CFU)	‡

‡ Daily value not established.

Product Form

Enfamil® Breastfed Infant Probiotics & Vitamin D is available as drops in 0.3 fl oz bottles. For ordering information, please refer to page 297.

Usual Daily Serving

6 drops daily.

Composition

Ingredients: As noted in Supplement Facts.

Other Ingredients: High oleic sunflower oil, vitamin E (antioxidant).

Talk to your baby's doctor about Enfamil Breastfed Infant Probiotics and Vitamin D Dietary Supplement. Consult with your baby's doctor before using in premature or immunocompromised babies or if consuming other products that have probiotics, such as supplements or formulas.

Notes

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 296.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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)[3]	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 B_6, Folate, Vitamin B_{12}, 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 296.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, biotin, sodium selenite, vitamin K_1, 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 300.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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
Calories	500
Protein equivalent, g‡	15.1
Fat, g	26
Linoleic acid, mg	4000
Carbohydrate, g	52
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B_1), mcg	1000
Riboflavin (Vitamin B_2), mcg	1000
Vitamin B_6, mcg	1000
Vitamin B_{12}, mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Minerals	
Calcium, mg	660
Phosphorous, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	800
Chloride, mg	330

NUTRIENT FACTS

Protein Equivalent (% Calories)‡	12
Fat (% Calories)	47
Carbohydrate (% Calories)	41
Potential Renal Solute Load (mOsm/100 g powder)[3]	140
Osmolality (mOsm/kg water)§	370
Osmolarity (mOsm/L)§	330
Lactose-free	Suitable for someone with lactose intolerance

‡ 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 B_6, Folate, Vitamin B_{12}, 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 300.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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
Calories	500
Protein equivalent, g‡	16.2
Fat, g	26
Linoleic acid, mg	4000
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B_1), mcg	1000
Riboflavin (Vitamin B_2), mcg	1000
Vitamin B_6, mcg	1000
Vitamin B_{12}, mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Minerals	
Calcium, mg	660
Phosphorus, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
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)[3]	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 B_6, Folate, Vitamin B_{12}, 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 300.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium selenite, sodium iodide, biotin, vitamin K_1, 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 300.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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)[3]	145		

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

CAUTION: Mead Johnson Nutrition LMD is to be used only in the dietary management of infants, children and adults with documented disorders of leucine metabolism, including isovaleric acidemia, while under direct and continuing medical supervision.

WARNING: This product is nutritionally incomplete. Care must be taken to provide enough leucine to support growth using other foods with this amino acid as required. Medical professionals must carefully and constantly supervise use of LMD 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 B_6, Folate, Vitamin B_{12}, 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

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 301.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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)[3]	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 B_6, Folate, Vitamin B_{12}, 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 301.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K_1, 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
Calories	410
Protein equivalent, g*	21
Fat, g	9
Linoleic acid, mg	4400
Carbohydrate, g	59
Vitamins/Other Nutrients	
Vitamin A, IU	1430
Vitamin D, IU	290
Vitamin E, IU	10.3
Vitamin K, mcg	41
Thiamin (Vitamin B_1), mcg	1200
Riboflavin (Vitamin B_2), mcg	980
Vitamin B_6, mcg	980
Vitamin B_{12}, mcg	2.4
Niacin, **mcg**	22000
Folic acid (Folacin), mcg	350
Pantothenic acid, mcg	4800
Biotin, mcg	49
Vitamin C (Ascorbic acid), mg	49
Choline, mg	102
Inositol, mg	49
Minerals	
Calcium, mg	760
Phosphorous, mg	760
Magnesium, mg	177
Iron, mg	12.3
Zinc, mg	12.3
Manganese, mcg	1350
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 301.

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†, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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
Calories	530
Protein equivalent, g§	0
Fat, g	32
Linoleic acid, mg	4900
Carbohydrate, g	60
Vitamins/Other Nutrients	
Vitamin A, IU	1840
Vitamin D, IU	450
Vitamin E, IU	13.2
Vitamin K, mcg	53
Thiamin (Vitamin B_1), mcg	1320
Riboflavin (Vitamin B_2), mcg	1210
Vitamin B_6, mcg	1210
Vitamin B_{12}, mcg	2.6
Niacin, mcg	12100
Folic acid (Folacin), mcg	132
Pantothenic acid, mcg	4600
Biotin, mcg	47
Vitamin C (Ascorbic acid), mg	74
Choline, mg	135
Inositol, mg	109
Minerals	
Calcium, mg	790
Phosphorus, mg	530
Magnesium, mg	79
Iron, mg	10.5
Zinc, mg	10.5
Manganese, mcg	470
Copper, mcg	1050
Iodine, mcg	90
Selenium, mcg	15.8
Sodium, mg	280
Potassium, mg	690
Chloride, mg	530

NUTRIENT FACTS

Protein Equivalent (% Calories)§	0	**Osmolality** (mOsm/kg water)‖	171
Fat (% Calories)	54	**Osmolarity** (mOsm/L)‖	154
Carbohydrate (% Calories)	46	**Lactose-free**	Suitable for someone with lactose intolerance
Potential Renal Solute Load (mOsm/100 g powder)[3]	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 References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B_6, Folate, Vitamin B_{12}, 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 301.

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 B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K_1, vitamin B_{12}, 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	26
Protein equivalent, g†	0	**Choline**, mg	51
Fat, g	4.8	**Inositol**, mg	26
Linoleic acid, mg	2300	**Minerals**	
Carbohydrate, g	88	**Calcium**, mg	400
Vitamins/Other Nutrients		**Phosphorous**, mg	400
Vitamin A, IU	790	**Magnesium**, mg	91
Vitamin D, IU	154	**Iron**, mg	6.3
Vitamin E, IU	5.1	**Zinc**, mg	6.3
Vitamin K, mcg	22	**Manganese**, mcg	690
Thiamin (Vitamin B_1), mcg	630	**Copper**, mcg	630
Riboflavin (Vitamin B_2), mcg	510	**Iodine**, mcg	35
Vitamin B_6, mcg	510	**Selenium**, mcg	14.2
Vitamin B_{12}, mcg	1.19	**Chromium**, mcg	20
Niacin, mcg	11500	**Molybdenum**, mcg	20
Folic acid (Folacin), mcg	178	**Sodium**, mg	360
Pantothenic acid, mcg	2600	**Potassium**, mg	340
Biotin, mcg	26	**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 301.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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
Calories	500
Protein equivalent, g‡	16.2
Fat, g	26
Linoleic acid, mg	4000
Carbohydrate, g	51
Vitamins/Other Nutrients	
Vitamin A, IU	1520
Vitamin D, IU	380
Vitamin E, IU	10
Vitamin K, mcg	40
Thiamin (Vitamin B_1), mcg	1000
Riboflavin (Vitamin B_2), mcg	1000
Vitamin B_6, mcg	1000
Vitamin B_{12}, mcg	2
Niacin, mcg	10000
Folic acid (Folacin), mcg	100
Pantothenic acid, mcg	3800

	Per 100 grams Powder
Biotin, mcg	38
Vitamin C (Ascorbic acid), mg	60
Choline, mg	124
Inositol, mg	86
Minerals	
Calcium, mg	660
Phosphorous, mg	440
Magnesium, mg	66
Iron, mg	9.6
Zinc, mg	8.6
Manganese, mcg	380
Copper, mcg	860
Iodine, mcg	76
Selenium, mcg	14.1
Sodium, mg	240
Potassium, mg	560
Chloride, mg	430

NUTRIENT FACTS

Protein Equivalent (% Calories)‡	13
Fat (% Calories)	47
Carbohydrate (% Calories)	40
Potential Renal Solute Load (mOsm/100 g powder)[3]	144

Osmolality (mOsm/kg water)§	350
Osmolarity (mOsm/L)§	320
Lactose-free	Suitable for someone with lactose intolerance

‡ 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 B_{12}, 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 301.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K_1, 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 301.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium selenite, biotin, vitamin K_1, 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 301.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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)[3]	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 References Intakes for Thiamin, Riboflavin, Niacin, Vitamin B_6, Folate, Vitamin B_{12}, 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 301.

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 B_{12}, thiamin hydrochloride, vitamin B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K_1, 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 301.

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*, *Crypthecodinium 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 B_6 hydrochloride, thiamin hydrochloride, riboflavin, vitamin D_3, folic acid, biotin, vitamin K_1, vitamin E acetate, vitamin A palmitate, vitamin B_{12}, 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)[3]	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 B_6, Folate, Vitamin B_{12}, 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 301.

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 B_6 hydrochloride, riboflavin, folic acid, vitamin D_3, chromic chloride, sodium molybdate, sodium iodide, sodium selenite, biotin, vitamin K_1, vitamin B_{12}, 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® Liquid Human Milk Fortifier – High Protein and Standard Protein

Store unopened fortifier bottles at room temperature. Avoid excessive heat. Do not freeze.

Caution

- DO NOT USE IF PROTECTIVE SEAL AROUND CAP, OR IF FOIL SEAL UNDER CAP, IS DAMAGED OR MISSING
- USE BY DATE ON CARTON AND BOTTLE LABEL

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

Dietary Supplements Storage

Enfamom™ Prenatal Vitamin & Mineral Supplement

Store in a cool, dry place with lid tightly closed.

- DO NOT USE IF SAFETY SEAL UNDER CAP IS TORN OR MISSING

Enfamil® Probiotics

Enfamil® Infant Probiotics Dietary Supplement, Enfamil® Breastfed Infant Probiotics & Vitamin D

Store in a cool, dry place. Use within 28 days once opened.

Caution

- USE BY DATE ON BOTTOM OF CARTON
- KEEP OUT OF REACH OF CHILDREN. BOTTLE CONTAINS TAMPER-EVIDENT SEALED LID. DO NOT USE IF BOTTLE IS DAMAGED OR HAS BEEN OPENED.

Enfamil® Vi-Sol® Family of Vitamins

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[1]	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.

† 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.

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.

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.

Powder Instructions

Enfamil PREMIUM® Newborn
Enfamil NeuroPro™ Infant, Enfamil PREMIUM® Infant and **Enfamil® Infant**
Enfamil® Enspire™
Enfamil NeuroPro™ Gentlease®, Enfamil PREMIUM® Gentlease®, Enfamil® Gentlease® and **Enfamil® Enspire™ Gentlease®**
Enfamil NeuroPro™ Sensitive
Enfamil PREMIUM™ A2
Enfamil® Reguline®
Enfamil® ProSobee®
Nutramigen® LGG®* and **Nutramigen® LGG® Toddler**
Pregestimil®
Enfagrow PREMIUM™ Toddler Transitions®
Enfagrow® Toddler Transitions® Gentlease®
Enfagrow® Toddler Transitions® Soy
Enfagrow NeuroPro™ Toddler Nutritional Drink
Enfagrow PREMIUM™ Toddler Next Step™
Enfagrow® Toddler Next Step™

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.

* 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®, Enfamil® Gentlease® and Enfamil® Enspire™ 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 NeuroPro™ Sensitive

To Make*	Water	Powder	Weight
2 fl oz bottle	2 fl oz	1 unpacked level scoop	8.9 g
4 fl oz bottle	4 fl oz	2 unpacked level scoops	17.8 g
8 fl oz bottle	8 fl oz	4 unpacked level scoops	35.6 g

* Each scoop adds about 0.2 fl oz to the amount of prepared formula.

Enfamil PREMIUM™ A2

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® 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 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.

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 3 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	3 unpacked level scoops (1/3 cup, 36 g)

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.

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)

PurAmino™ Jr and PurAmino™ Jr Vanilla

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 Jr 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 (6.7 g) will make approximately 1.2 fl oz of prepared formula.** Add 5 unpacked level scoops (33.5 g) of powder to 5 fl oz of water to make approximately 6 fl oz of prepared product. Add 7 unpacked level scoops (46.9 g) to 7 fl oz of water to make approximately 8 fl oz of prepared product. Store **DRY** scoop in can.

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. 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.

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 ⅔ 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.

Enfamil NeuroPro™ 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 bottle. Add powder.
3. Cap bottle and **SHAKE WELL**.

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

Enfamil NeuroPro™ 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.

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 on the following page 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.

Enfamil® DHA & ARA Supplement

Inspect each bottle for signs of damage.

This product is commercially sterile as produced. Use proper aseptic techniques to prevent contamination of the individual servings.

1. Shake well and remove cap. *Do not add water*.
2. Attach transfer lid and single use oral syringe.
3. Administer volume specified by HCP orally or enterally.

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

Upon opening, administer immediately then recap with a transfer lid and store bottle in refrigerator at 35–40°F (2–4°C) for no longer than 24 hours.

THIS PRODUCT SHOULD BE USED ONLY AS DIRECTED BY THE BABY'S DOCTOR. REFER TO HOSPITAL PROTOCOLS FOR TUBE FEEDING.

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 hcp.meadjohnson.com). 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 NeuroPro™ Toddler Nutritional Drink Ready-to-Drink Natural Milk Flavor and Natural Vanilla Flavor and 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.

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.

Single-Serve Powder Packet Instructions

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.

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® Liquid Human Milk Fortifiers – High Protein and Standard Protein

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 breast milk. Use as directed by the baby's doctor. This product is commercially sterile as produced. Only use in a formulary or centralized milk preparation room where there is little risk of contamination, using proper aseptic technique[1]. Preparation may include the use of sterile containers, or sterile transfer lids and sterile, single-use, enteral syringes.

- Shake gently before using. Do not shake vigorously to minimize product foaming. Foaming is normal with this product.
- Remove protective seal around cap, remove cap and foil seal. Add fortifier to the breast milk according to the following chart for batch mixing:

Additional Calories Desired	Breast Milk	Enfamil Liquid Human Milk Fortifier
2 Calories/fl oz	50 mL	5 mL
4 Calories/fl oz	25 mL	5 mL

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

Do not use product that has unusual characteristics.

Failure to follow these instructions could result in severe harm. Opened fortifier bottles and fortified human milk can spoil quickly. Once opened, use immediately and discard.

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

WARNING: Not for parenteral (I.V.) use. Do not administer directly—must add to breast milk.

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

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.

Dietary Supplements Instructions

Enfamom™ Prenatal Vitamin & Mineral Supplement

Directions for Use:

Adults, take one softgel with food. Use only as directed.

Enfamil® Probiotics

Enfamil® Infant Probiotics Dietary Supplement, Enfamil® Breastfed Infant Probiotics & Vitamin D

Shake bottle well and use 6 drops once a day.

Dispensing tips:

- Remove cap and turn bottle upside down to put drops into baby's mouth or bottle
- May be added to breast milk or formula
- Do not warm

Enfamil® Vi-Sol® Family of Vitamins

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 amount.
- 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 NeuroPro™ Toddler Nutritional Drink Natural Milk Flavor	177501	RTU	8 fl oz bottle	160	8	24 bottles per case	XXXX	00087-5117-51
Enfagrow NeuroPro™ Toddler Nutritional Drink Natural Milk Flavor	000000	RTU	32 fl oz bottle	640	32	4 bottles per case	177502	00087-5119-61
Enfagrow NeuroPro™ Toddler Nutritional Drink Vanilla	177601	RTU	8 fl oz bottle	160	8	24 bottles per case	XXXX	00087-5117-54
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

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 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
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	B4160	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® Breastfed Infant Probiotics & Vitamin D	194801	Dropper	0.3 fl oz bottle	N/A	N/A	48 bottles per case	N/A	00087-5126-22
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® DHA & ARA Supplement	426201	RTU	2 fl oz bottle	236	2	24 bottles per case	N/A	00087-5126-12
Enfamil® Infant Probiotics Dietary Supplement	194701	Dropper	0.3 fl oz bottle	N/A	N/A	48 bottles per case	N/A	00087-5126-20
Enfamil NeuroPro™ EnfaCare®	126105	Powder	12.8 oz can	1800	82	6 cans per case	B4160	00087-5122-08
Enfamil NeuroPro EnfaCare	124902	RTU	2 fl oz bottle	44	2	48 bottles per case	B4160	00087-5122-03
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

N/A=Not Available

* HCPCS application in progress.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Enfamil® Enspire™	157401	Powder	20.5 oz tub	2940	147	4 tubs per case	B4158	00087-5117-48
Enfamil® Enspire™ Gentlease®	172801	Powder	19.5 oz tub	2900	145	4 tubs per case	B4158*	00087-5123-53
Enfamil® Enspire™ Gentlease®	172802	Powder, Refill	29 oz box	4200	210	4 boxes per case	B4158*	00087-5123-55
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
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® Liquid Human Milk Fortifier High Protein	178301	Liquid	5.5 fl oz bottle	244	5.5	24 bottles per case	B4155*	00087-5125-32
Enfamil® Liquid Human Milk Fortifier Standard Protein	178201	Liquid	5.5 fl oz bottle	244	5.5	24 bottles per case	B4155*	00087-5125-30
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

N/A=Not Available

* HCPCS application in progress.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
Enfamil NeuroPro Infant	163204	Powder	28.3 oz can	4040	202	4 cans per case	B4158	00087-5121-09
Enfamil NeuroPro Infant	897204	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 NeuroPro™ Sensitive	177801	Powder, Refill	29.4 oz box	4170	209	4 boxes per case	B4158	00087-5123-53
Enfamil NeuroPro Sensitive	177802	Powder	19.5 oz tub	2770	139	6 tubs per case	B4158	00087-5124-52
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™ A2	184801	Powder	19.5 oz tub	2800	140	6 tubs per case	B4158*	00087-5126-40
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
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

N/A=Not Available

* HCPCS application in progress.

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
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
Enfamom™ Prenatal Vitamin & Mineral Supplement	470303	Softgel	1 30-count bottle	N/A	N/A	12 bottles per case	N/A	00087-5124-80
Enfaport™	129601	RTU, 30 Cal	6 fl oz bottle	180	6	24 bottles per case	B4162	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
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®*	897309	Powder	27.8 oz can	3920	196	4 cans per case	B4161	00087-5122-22
Nutramigen with Enflora LGG	897301	Powder	19.8 oz can	2780	139	4 cans per case	B4161	00087-1239-45
Nutramigen with Enflora LGG	897302	Powder	12.6 oz can	1740	87	6 cans per case	B4161	00087-1239-41
Nutramigen® with Enflora™ LGG®* Toddler	154804	Powder	12.6 oz can	1720	86	6 cans per case	B4161	00087-5107-34

* 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.

PRODUCT ORDERING GUIDE

Product	Item #	Description	Unit Size	Calories/Unit	Product Yield/ Unit (fl oz)	Case	HCPCS Code	NDC Format Code
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	892713	Powder	14.1 oz can (400 g)	2120	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™	179101	Powder	14.1 oz can (400 g)	1960	98	4 cans per case	B4161*	00087-5104-80
PurAmino™ Jr	178701	Powder	14.1 oz can	1960	66	4 cans per case	B4161*	00087-5122-46
PurAmino™ Jr Vanilla	178801	Powder	14.1 oz can	1960	66	4 cans per case	B4161*	00087-5122-44
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 170.

Enfamil® Nutrition Kits

Please refer to page 173.

* HCPCS application in progress.

To place an order, contact your Mead Johnson representative, or call Customer Service at 1-800-457-3550.

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)
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)
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)
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)
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 23 Calories

PurAmino™ Jr and PurAmino™ Jr Vanilla

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	1.2	1.4
26	0.88	1.1	1.3
27	0.91	1.1	1.2
28	0.95	1.0	1.2
30	1.01	1.0	1.2

PurAmino Jr and PurAmino Jr Vanilla formula should be measured with unpacked, level scoops.

- One scoop of powder provides 34 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

Enfamil PREMIUM™ A2

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
27	0.91	1.4	1.7
30	1.01	1.3	1.5

Enfamil PREMIUM A2 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 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 NeuroPro™ 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 NeuroPro 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	2.3	2.6
24	0.81	1.9	2.2
27	0.91	1.7	2.0
30	1.01	1.5	1.8

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 53 Calories

Enfamil NeuroPro™ Sensitive

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
27	0.91	1.4	1.6
30	1.01	1.3	1.5

Enfamil NeuroPro Sensitive 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.

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

Enfamil® Enspire™ Gentlease®

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	1.9	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

Enfamil Enspire Gentlease should be measured with unpacked, 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	12	108¶	4.4	0.74
Enfagrow PREMIUM™ Toddler Transitions®	9	97¶	5.1	0.78
Enfagrow® Toddler Next Step™ Vanilla	12	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 NeuroPro™ EnfaCare®	9.8	107¶	5.0	0.78
Enfamil® Enspire™	8.8	114	5.0	0.77
Enfamil® Enspire™ Gentlease®	8.7	108	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 NeuroPro™ Sensitive	8.9	—	5.0	0.77
Enfamil PREMIUM™ A2	8.8	—	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 Enflora™ LGG®§	9‖	102¶,‖	5.0	0.78
Nutramigen® with Enflora™ 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™ Jr	6.8	112	4.9	0.75
PurAmino™ Jr Vanilla	6.8	NA	4.9	0.75
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

NA = Not Available
§ 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 263 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:

	Goal, Calories/fl oz		
Formula†	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.

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

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 + 1½ 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.

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

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

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

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 NeuroPro™ Toddler Nutritional Drink			
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® Gentlease®	10	48	42
Enfagrow® Toddler Transitions® Soy	13	40	47
Enfamil® 24	8.5	48	43.5
Enfamil A.R.™	10	46	44
Enfamil NeuroPro™ EnfaCare®	11	47	42
Enfamil® EnfaCare®	11	47	42
Enfamil® Enfalyte®	0	0	100
Enfamil® Enspire™	8.5	48	43.5
Enfamil® Enspire™ Gentlease®	9	48	43
Enfamil® Gentlease®	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® Liquid Human Milk Fortifier High Protein†	29	65	6
Enfamil® Liquid Human Milk Fortifier Standard Protein†	22	66	12
Enfamil NeuroPro™ Gentlease®	9	48	43
Enfamil NeuroPro™ Infant	8	48	44
Enfamil NeuroPro™ Sensitive	9	48	43
Enfamil® Premature 20	13	44	43
Enfamil® Premature 24	13	44	43
Enfamil® Premature 24 High Protein	14	44	42

CALORIC DISTRIBUTION (% of calories)

	Protein	Fat	Carbohydrate
Enfamil® Premature 30	13	44	43
Enfamil PREMIUM™ A2	8	48	44
Enfamil PREMIUM® Gentlease®	9	48	43
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 Enflora™ LGG®‡	11	48	41
Nutramigen® with Enflora™ 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™ Jr	12	44	44
PurAmino™ Jr Vanilla	12	44	44
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 NeuroPro™ Toddler Nutritional Drink	O.U.D.
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® Gentlease®	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® Fer-In-Sol®†	O.U.
Enfamil® Poly-Vi-Sol®	O.U.
Enfamil® Poly-Vi-Sol® with Iron	O.U.
Enfamil® Tri-Vi-Sol®	O.U.
Enfamil® EnfaCare®	O.U.D.
Enfamil® Enfalyte®	O.U. Pareve*
Enfamil® Enspire™	O.U.D.
Enfamil® Enspire™ Gentlease®	O.U.D.
Enfamil® Gentlease®	O.U.D.

KOSHER

Product	Kosher Designation
Enfamil® Human Milk Fortifier Powder	O.U.D.
Enfamil® Liquid Human Milk Fortifier High Protein	O.U.D.
Enfamil® Liquid Human Milk Fortifier Standard Protein	O.U.D.
Enfamil® Infant	O.U.D.
Enfamil NeuroPro™ EnfaCare®	O.U.D.
Enfamil NeuroPro™ Gentlease®	O.U.D.
Enfamil NeuroPro™ Infant	O.U.D.
Enfamil NeuroPro™ Sensitive	O.U.D.
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® Gentlease®	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® Water for Oral Use	O.U. Pareve*
Enfaport™	O.U.D.
Portagen®	O.U.D.
PurAmino™	O.U.D.
PurAmino™ Jr	O.U.D.
PurAmino™ Jr Vanilla	O.U.D.

HALAL

Product
BCAD 1
BCAD 2
Enfamil NeuroPro™ EnfaCare®
Enfamil® EnfaCare® 8 fl oz Ready-to-Use Liquid
Enfamil® Human Milk Fortifier Powder
Enfamil® Liquid Human Milk Fortifier High Protein
Enfamil® Liquid Human Milk Fortifier Standard Protein
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™ Jr
PurAmino™ Jr Vanilla
TYROS 1
TYROS 2
WND® 1
WND® 2

* Pareve ingredients: manufactured on dairy equipment.
† The alcohol in Enfamil Fer-In-Sol is not approved for Passover.

Osmolality/Osmolarity

Formula	Calories /fl oz	Osmolality mOsm/kg water	Osmolarity mOsm/L
Enfagrow NeuroPro™ Toddler Nutritional Drink			
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 NeuroPro™ EnfaCare® Powder	22	310	280
Enfamil NeuroPro™ 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® Enspire™ Gentlease®	20	210	189
Enfamil® Gentlease® Powder	20	220	200
Enfamil® Gentlease® Liquid	20	220	200
Enfamil® Human Milk Fortifier High Protein	30 cal/20 mL	+48	N/A
Enfamil® Human Milk Fortifier Standard Protein	30 cal/20 mL	+48	N/A
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 NeuroPro™ Sensitive	20	300	270
Enfamil® Premature 20 Cal	20	260	230
Enfamil® Premature 24 Cal	24	320	280
Enfamil® Premature 24 Cal High Protein	24	300	260
Enfamil® Premature 30 Cal	30	320	270
Enfamil PREMIUM™ A2	20	300	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 Enflora™ LGG®†	20	300	270
Nutramigen® with Enflora™ LGG®† 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
PurAmino™ Jr	30	570	480
PurAmino™ Jr Vanilla	30	570	480

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 High Protein Powder and Enfamil Human Fortifier Standard Protein 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 Load[1]

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 NeuroPro™ Toddler Nutritional Drink			
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 NeuroPro™ EnfaCare® Powder	22	25	18.4
Enfamil NeuroPro™ EnfaCare® 2 fl oz Liquid	22	25	18.4
Enfamil® EnfaCare® 8 fl oz Liquid	22	25	18.4
Enfamil® Enfalyte®	3.7	96	12
Enfamil® Enspire™	20	19.1	12.9
Enfamil® Enspire™ Gentlease®	20	21	14.2
Enfamil® Gentlease®	20	21	14
Enfamil® Human Milk Fortifier High Protein			
Enfamil® Human Milk Fortifier Standard Protein			
Enfamil® Human Milk Fortifier Acidified Liquid	30 (per 4 vials)	59 (per 100 Calories of EHMFAL 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 NeuroPro™ Sensitive	20	21	14
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
Enfamil PREMIUM™ A2	20	18.6	12.5
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 Enflora™ LGG®*	20	25	16.9
Nutramigen® with Enflora™ 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™ Jr	30	24	24
PurAmino™ Jr Vanilla	30	24	24

METABOLIC INFANT/TODDLER FORMULAS

Formula	mOsm /100 g powder
BCAD 1	147
GA	140
HCY 1	144
LMD	145
OA 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 NeuroPro™ Toddler Nutritional Drink								
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 NeuroPro™ EnfaCare®	64	320	165	830	310	1540	260	1320
Enfamil® EnfaCare®	64	320	171	850	310	1530	260	1290
Enfamil® Enspire™								
Enfamil® Enspire™ Gentlease®	58	290	127	630	240	1200	210	1050
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™ A2								
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	1720	220	1120
PurAmino™ Jr	83	400	220	1050	390	1910	260	1240
PurAmino™ Jr Vanilla	83	400	220	1050	390	1910	260	1240

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

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	62	310	109	550	104	520	190	950	52	260	168	840
62	310	64	320	106	530	98	490	193	960	54	270	171	850
48	240	48	240	99	490	76	380	147	740	34	171	136	680
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	760	171	850	67	340	210	1060
74	360	83	400	160	780	173	840	200	950	77	370	240	1180
74	360	83	400	160	780	173	840	200	950	77	370	240	1180

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 NeuroPro™ Toddler Nutritional Drink								
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 NeuroPro™ EnfaCare®	87	430	134	670	290	1470	530	2700
Enfamil® EnfaCare®	78	390	137	680	300	1490	540	2700
Enfamil® Enspire™								
Enfamil® Enspire™ Gentlease®	81	400	104	520	230	1170	440	2200
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™ A2								
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™ Jr	164	820	300	1500	620	3100	186‡	930‡
PurAmino™ Jr Vanilla	164	820	300	1500	620	3100	186‡	930‡

* Powder only. † LGG® is a registered trademark of Chr. Hansen A/S. ‡ Glutamine

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
59	290	200	980	165	830
56	280	200	990	160	790
53	260	166	830	138	690
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
81	400	310	1550	189	950
81	400	310	1550	189	950

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

NONESSENTI AL 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.

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Healthcare Professional and Consumer Resources

HEALTHCARE PROFESSIONAL RESOURCES

hcp.meadjohnson.com

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

Store Locator:
enfamil.com/Store-Locator