

2016
NUTRICIA PRODUCT
REFERENCE GUIDE

FOR CLINICIANS



Nutricia Contacts

My Nutricia sales representative(s):

Name:

Phone:

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How to Contact Nutricia

Nutricia's Customer Service:

- **Phone:** (800) 365-7354
- **Fax:** (301) 795-2301
- **Email:** CustomerService@nutricia.com
- **Live Chat:** www.Neocate.com (M-F 8:30 am – 7 pm EST)

Nutricia's Nutrition Services:

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- **Email:** NutritionServices@nutricia.com
- **Live Chat:** www.Neocate.com (M-F 8:30 am – 5 pm EST)

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- **Phone:** (800) 605-0410
- **Email:** CustomerService@medicalfood.com

Internet:

For information on Nutricia products, reimbursement,* and other helpful resources, visit www.Nutricia-NA.com. For a complete listing of our websites, see pages 218-219.

* For reimbursement information, please see page 213.



- **Nutricia is a Global Health Company**
- **Nutricia Leads the Development and Use of Advanced Medical Nutrition for Specialized Care**
- **Nutricia Products and Services Transform the Daily Lives of Millions of Infants, Children, Adults and Aging Seniors**

This guide is a convenient reference for clinicians to the full range of Nutricia's medical nutritional products. Nutricia strives to develop quality products that offer choice and flexibility to today's patients to enhance diet acceptance. Please note that all of our products require medical supervision. For additional information, please call our Nutrition Services team or visit our web site at www.Nutricia-NA.com. Our staff is comprised of individuals with the highest level of expertise ready to offer support and reliability to our customers. We look forward to hearing from you.

Consumers and Patients:

Nutricia products are available for convenient home delivery directly from Nutricia North America. Consumers can call our toll free number or visit one of our websites. See pages 218-219 for a list of our websites.

Consumers can also purchase Nutricia products through retail pharmacies. Pharmacies can special order Nutricia products from their wholesaler or directly from Nutricia North America.

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SPECIALIZED PEDIATRICS



Find more information and resources on these and all of our products at www.NutriciaLearningCenter.com

With Added Nucleotides



Neocate® Infant DHA / ARA

A nutritionally complete, powdered amino acid-based exempt infant formula containing iron and nucleotides.

Main Features:

- Hypoallergenic
- Nucleotides, present in human milk 4.8 mg per 100 kcals
- DHA at 0.35% fatty acids DHA and ARA at 1:1 ratio
- Over 100 publications and counting support Neocate
- Osmolality (at 0.67 kcal/mL): 340 mOsm/kg
- Free water (at 0.67 kcal/mL): 90.3%
- Energy distribution:

Protein	11.2%
Carbohydrate	43.1%
Fat (MCT 33%/LCT 67%)	45.7%
- Potential Renal Solute Load: 168 mOsm/L
- Halal & Kosher Pareve
- Displacement 0.70 mL/g

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy-associated conditions:
 - Short bowel syndrome (SBS)
 - Food protein-induced enterocolitis syndrome (FPIES)
 - Eosinophilic esophagitis (EoE)
 - Malabsorption
 - Gastroesophageal reflux
 - Other GI disorders

For details on **scoop size, household measures, and administration**, please see pages 24-35.

For guidance on monitoring micronutrients, please see page 36.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
12595	49735-0125-95	B4161	4 x 400 g (14.1 oz)	1932

WIC[†] eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal	Minerals	Per 100 g	Per 100 kcal
Calories	483	100	Calcium, mg	561	116
Protein Equivalent, g	13.5	2.8	Phosphorus, mg	397	82.2
Fat, g	24.5	5.1	Magnesium, mg	51.0	10.6
Linoleic Acid, mg	3565	738	Iron, mg	7.3	1.5
α-Linolenic Acid, mg	419	86.8	Zinc, mg	5.3	1.1
DHA, mg	81.6	16.9	Manganese, mcg	200	41.4
ARA, mg	81.6	16.9	Copper, mcg	410	84.9
Carbohydrate, g	52.0	10.8	Iodine, mcg	100	20.7
Vitamins			Molybdenum, mcg	11.3	2.3
Vitamin A, IU (mcg RE)	1352 (406)	280 (84.1)	Chromium, mcg	10.6	2.2
Vitamin D ₃ , IU (mcg)	352 (8.8)	72.9 (1.8)	Selenium, mcg	14.5	3
Vitamin E, IU (mg α.T.E.)	6.8 (4.6)	1.4 (0.94)	Sodium, mg	189	39.1
Vitamin K, mcg	42.5	8.8	Potassium, mg	525	109
Thiamin, mcg	690	140	Chloride, mg	386	79.9
Riboflavin, mcg	540	110			
Vitamin B ₆ , mcg	540	112			
Vitamin B ₁₂ , mcg	1.3	0.27			
Niacin, mcg	4900	1014			
Folic Acid, mcg	64.0	13.3			
Pantothenic Acid, mcg	2900	600			
Biotin, mcg	19.0	3.9			
Vitamin C, mg	51.6	10.7			
Choline, mg	95.4	19.8			
Inositol, mg	108	22.4			

Ingredients:

Corn Syrup Solids (54%), Refined Vegetable Oil (Medium Chain Triglycerides (8%), High Oleic Sunflower Oil (6%), Sunflower Oil (5%), Canola Oil (4%)), Calcium Phosphate Dibasic (2%), and less than 2% of each of the following: L-Arginine L-Aspartate, L-Leucine, Tripotassium Citrate, L-Lysine Acetate, L-Glutamine, L-Proline, CAEM (an emulsifier), L-Valine, Glycine, L-Isoleucine, L-Threonine, L-Phenylalanine, L-Tyrosine, L-Serine, L-Histidine, L-Alanine, Sodium Chloride, L-Cystine, Magnesium Chloride, L-Tryptophan, Choline Bitartrate, L-Methionine, Tricalcium Citrate, Magnesium L-Aspartate, M. Alpina Oil*, C. Cohnii Oil**, M-Inositol, L-Ascorbic Acid, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, Uridine 5'-Monophosphate Disodium Salt, Cytidine 5'-Monophosphate, Niacinamide, Inosine 5'-Monophosphate Disodium Salt, Adenosine 5'-Monophosphate, Calcium D-Pantothenate, Guanosine 5'-Monophosphate Disodium Salt, DL-alpha Tocopheryl Acetate, Ascorbyl Palmitate, Manganese Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Cupric Sulfate, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Potassium Iodide, Mixed Tocopherols, Folic Acid, Chromium Chloride, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D₃, Cyanocobalamin.

* A Source of Arachidonic Acid (ARA)

** A Source of Docosahexaenoic Acid (DHA)



Neocate® Nutra

The first and only amino acid-based semi-solid medical food for children and infants over 6 months of age.

Main Features:

- Smooth, spoonable consistency
- Hypoallergenic
- Made with 100% non-allergenic amino acids
- Milk protein- and gluten-free
- High in calcium
- Good source of vitamin D, zinc and iron
- Free from artificial flavors, colors and preservatives
- Energy distribution:

Protein	7%
Carbohydrate	57%
Fat (MCT 4% / LCT 96%)	36%

Note: Not suitable as sole source of nutrition. Not for bottle or tube feed.

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy-associated conditions:
 - Short bowel syndrome (SBS)
 - Eosinophilic esophagitis (EoE)
 - Malabsorption
 - Gastroesophageal reflux
 - Other GI disorders

For details on **scoop size, household measures, and administration**, please see pages 24-35.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
66739	49735-016739	B4161	4 x 400 g (14.1 oz)	1888

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per Suggested Serving		Minerals	Per Suggested Serving	
	Per 100 g	(37 g Powder)		Per 100 g	(37 g Powder)
Calories	472	175	Calcium, mg	668	247
Protein Equivalent, g	8.2	3.0	Phosphorus, mg	340	126
Fat, g	18.8	7.0	Magnesium, mg	21.0	7.8
Linoleic Acid, mg	3222	1192	Iron, mg	5.9	2.2
Carbohydrate, g	67.4	24.9	Zinc, mg	4.1	1.5
Vitamins					
Vitamin A, IU (mcg RE)	649 (195)	240 (72.2)	Manganese, mcg	310	115
Vitamin D ₃ , IU (mcg)	172 (4.3)	63.6 (1.6)	Copper, mcg	310	115
Vitamin E, IU (mg α T.E.)	3.4 (2.3)	1.3 (0.84)	Iodine, mcg	41.4	15.3
Vitamin K, mcg	18.5	6.8	Molybdenum, mcg	8.8	3.3
Thiamin, mcg	318	118	Chromium, mcg	10.0	3.7
Riboflavin, mcg	250	92.5	Selenium, mcg	11.3	4.2
Vitamin B ₆ , mcg	250	92.5	Sodium, mg	38.0	14.1
Vitamin B ₁₂ , mcg	0.6	0.22	Potassium, mg	<20	<10
Niacin, mcg	1100	407	Chloride, mg	44.0	16.3
Folic Acid, mcg	27.5	10.2			
Pantothenic Acid, mcg	1400	518			
Biotin, mcg	9.1	3.4			
Vitamin C, mg	23.0	8.5			
Choline, mg	45.0	16.7			
Inositol, mg	49.0	18.1			

Ingredients:

Corn Syrup Solids (42%), Rice Starch (19%), Refined Vegetable Oil (18%) (Non-Hydrogenated Coconut (6%), High Oleic Sunflower (6%), Canola (3%), Sunflower (3%)), Sugar (9%), Calcium Phosphate Tribasic (2%), contains 2% or less than each of the following: L-Arginine L-Aspartate, L-Leucine, L-Lysine Acetate, CAEM (An Emulsifier), L-Glutamine, L-Proline, L-Valine, Glycine, L-Isoleucine, L-Threonine, L-Phenylalanine, L-Tyrosine, L-Serine, L-Histidine, L-Alanine, L-Cystine, L-Tryptophan, L-Methionine, Choline Bitartrate, Magnesium L-Aspartate, Magnesium Acetate, M-Inositol, L-Ascorbic Acid, Ferrous Sulfate, Taurine, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Potassium Iodide, Chromium Chloride, Folic Acid, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



Neocate® Junior

A nutritionally complete, powdered amino acid-based medical food for individuals over the age of 1.

Main Features:

- Hypoallergenic
- 100% non-allergenic free amino acids
- Nutritionally complete
- Available in unflavored, tropical & chocolate
- Standard dilution = 1 kcal/mL
- Osmolality (mOsm/kg):

Dilution	Unflavored	Tropical	Chocolate
1 kcal/mL	550	630	650
- Free water:

Dilution	Unflavored	Tropical	Chocolate
1 kcal/mL	84.9%	84.0%	84.0%
- Energy distribution:

	Unflavored	Tropical/Chocolate
Protein	13%	14%
Carbohydrate	42%	44%
Fat (MCT 35% / LCT 65%)	45%	42%
- Displacement: 0.72 mL/g

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy-associated conditions:
 - Short bowel syndrome (SBS)
 - Eosinophilic esophagitis (EoE)
 - Food protein-induced enterocolitis syndrome (FPIES)
- Malabsorption
- Gastroesophageal reflux
- Other GI disorders

For details on **scoop size, household measures, and administration**, please see pages 24-35.

For guidance on monitoring micronutrients, please see page 36.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
11790 - Unflavored	49735-0117-90	B4161	4 x 400 g (14.1 oz)	1912
12124 - Tropical	49735-0121-24	B4161	4 x 400 g (14.1 oz)	1804
12690 - Chocolate	49735-0126-90	B4161	4 x 400 g (14.1 oz)	1804

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Meets or exceeds 100% DRIs[§] for protein + 25 key vitamins & minerals:

1-3 years	930 kcal
4-8 years	1370 kcal
9-13 years	1565 kcal
14-18 years	2550 kcal

Nutrition Information:

Nutrients	Unflavored		Tropical and Chocolate	
	Per 100 g	Per 100 kcal	Per 100 g	Per 100 kcal
Calories	478	100	451	100
Protein Equivalent, g	16.0	3.3	16.0	3.5
Fat, g	24.0	5.0	21.0	4.7
Linoleic Acid, mg	2622	549	2300	510
α-Linolenic Acid, mg	661	138	580	129
Carbohydrate, g	49.5	10.4	49.5	11.0
Vitamins				
Vitamin A, IU (mcg RE)	956 (287)	200 (60.0)	902 (271)	200 (60.1)
Vitamin D ₃ , IU (mcg)	380 (9.5)	79.5 (2.0)	360 (9.0)	79.8 (2.0)
Vitamin E, IU (mg α.T.E.)	10.0 (6.7)	2.1 (1.4)	9.4 (6.3)	2.1 (1.4)
Vitamin K, mcg	19.2	4.0	19.2	4.3
Thiamin, mg	0.61	0.13	0.61	0.14
Riboflavin, mg	0.96	0.20	0.90	0.20
Vitamin B ₆ , mg	0.48	0.10	0.48	0.11
Vitamin B ₁₂ , mcg	1.9	0.40	1.8	0.40
Niacin, mg	4.3	0.90	4.3	0.95
Folic Acid, mcg	143	29.9	143	31.7
Pantothenic Acid, mg	1.9	0.40	1.9	0.42
Biotin, mcg	14.4	3.0	13.5	3.0
Vitamin C, mg	44.6	9.3	44.6	9.9
Choline, mg	143	29.9	143	31.7
Inositol, mg	105	22.0	105	23.3
Minerals				
Calcium, mg	565	118	540	120
Phosphorus, mg	382	79.9	359	79.6
Magnesium, mg	76.5	16.0	76.5	17.0
Iron, mg	7.4	1.6	7.4	1.6
Zinc, mg	4.7	0.98	4.7	1.0
Manganese, mg	0.62	0.13	0.62	0.14
Copper, mcg	530	111	530	118
Iodine, mcg	85.2	17.8	85.2	18.9
Molybdenum, mcg	21.5	4.5	21.5	4.8
Chromium, mcg	18.0	3.8	18.0	4.0
Selenium, mcg	19.2	4.0	18.0	4.0
Sodium, mg	239	50.0	225	49.9
Potassium, mg	653	137	653	145
Chloride, mg	364	76.2	343	76.1

Ingredients:

Corn Syrup Solids (52%), Refined Vegetable Oil (Palm Kernel and/or Coconut Oil (8%), Canola Oil (8%), High Oleic Safflower Oil (8%)), L-Arginine (2.4%), L-Glutamine (2.3%), L-Lysine L-Aspartate (2%), and less than 2% of each of the following: Tripotassium Citrate, Calcium Phosphate Dibasic, L-Leucine, L-Phenylalanine, L-Proline, Silicon Dioxide, L-Valine, Glycine, L-Isoleucine, N-Acetyl-L-Methionine, L-Threonine, Mono and Diglycerides, Sodium Chloride, L-Histidine, L-Serine, L-Alanine, Magnesium Acetate, Calcium Phosphate Tribasic, Choline Bitartrate, L-Tryptophan, L-Tyrosine, Diacetyl Tartaric Acid Esters of Mono and Diglycerides, M-Inositol, L-Ascorbic Acid, L-Cystine, Propylene Glycol Alginate, Taurine, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Riboflavin, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Acetate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Molybdate, Sodium Selenite, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

Tropical flavored version also contains: Artificial Flavor (5.2%), Citric Acid (3.2%), and less than 2% of the following: Artificial Sweetener: Acesulfame Potassium.

Chocolate flavored version also contains: Artificial Flavor (7.2%), Sugar (4.7%), and less than 2% of the following: Artificial Sweetener: Sucralose.



Neocate® Junior with Prebiotics

A nutritionally complete, powdered amino acid-based medical food with prebiotic fiber for individuals over the age of 1.

Main Features:

- Hypoallergenic
- Contains prebiotic fiber to help support total gut health
- 100% non-allergenic free amino acids
- Nutritionally complete
- Available in unflavored, vanilla & strawberry
- Standard dilution= 1 kcal/mL
- Osmolality (mOsm/kg):

Dilution	Unflavored	Vanilla	Strawberry
1 kcal/mL	550	650	630
- Free water:

Dilution	Unflavored	Vanilla	Strawberry
1 kcal/mL	84.5%	84.5%	84.9%
- Energy distribution:

	Unflavored	Vanilla	Strawberry
Protein	13%	14%	14%
Carbohydrate	42%	45%	45%
Fat (MCT 35% / LCT 65%)	45%	41%	41%
- Displacement:

	Unflavored	Vanilla	Strawberry
	0.74 mL/g	0.71 mL/g	0.71 mL/g

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy associated conditions:
 - Short bowel syndrome (SBS)
 - Eosinophilic esophagitis (EoE)
 - Food protein-induced enterocolitis syndrome (FPIES)
 - Malabsorption
 - Gastroesophageal reflux
 - Other GI disorders

For details on **scoop size, household measures, and administration**, please see pages 24-35.

For guidance on monitoring micronutrients, please see page 36.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
12912 - Unflavored	49735-012912	B4161	4 x 400 g (14.1 oz)	1912
60627 - Vanilla	49735-010627	B4161	4 x 400 g (14.1 oz)	1836
86456 - Strawberry	49735-016456	B4161	4 x 400 g (14.1 oz)	1876

WIC+ eligible in all States.

For more reimbursement information see page 213.

Meets or exceeds
100% DRIs⁹ for protein
+ 25 key vitamins
& minerals:

1-3 years	930 kcal
4-8 years	1370 kcal
9-13 years	1565 kcal
14-18 years	2550 kcal

Nutrition Information:

Nutrients	Unflavored		Vanilla		Strawberry	
	Per 100 g	Per 100 kcal	Per 100 g	Per 100 kcal	Per 100 g	Per 100 kcal
Calories	478	100	459	100	469	100
Protein Equivalent, g	16.0	3.3	16.0	3.5	16.0	3.4
Fat, g	24.0	5.0	21.0	4.6	21.5	4.6
Linoleic Acid, mg	2622	549	2300	501	2346	500
α-Linolenic Acid, mg	661	138	580	126	592	126
Carbohydrate, g	49.5	10.4	51.4	11.2	52.9	11.3
Fiber, g	1.9	0.40	1.9	0.41	1.9	0.40
Vitamins						
Vitamin A, IU (mcg R.E.)	956 (287)	200 (60.0)	916 (276)	200 (60.1)	956 (287)	204 (61.2)
Vitamin D ₃ , IU (mcg)	380 (9.5)	79.5 (2.0)	364 (9.1)	79.3 (2.0)	372 (9.3)	79.3 (2.0)
Vitamin E, IU (mg α T.E.)	10.0 (6.7)	2.1 (1.4)	9.5 (6.4)	2.1 (1.4)	10.0 (6.7)	2.1 (1.4)
Vitamin K, mcg	19.2	4.0	19.2	4.2	19.2	4.1
Thiamin, mg	0.61	0.13	0.61	0.13	0.61	0.13
Riboflavin, mg	0.96	0.20	0.92	0.20	0.96	0.20
Vitamin B ₆ , mg	0.48	0.10	0.48	0.10	0.48	0.10
Vitamin B ₁₂ , mcg	1.9	0.40	1.8	0.39	1.9	0.41
Niacin, mg	4.3	0.90	4.3	0.94	4.3	0.92
Folic Acid, mcg	143	29.9	143	31.2	143	30.5
Pantothenic Acid, mg	1.9	0.40	1.9	0.41	1.9	0.41
Biotin, mcg	14.4	3.0	13.8	3.0	14.4	3.1
Vitamin C, mg	44.6	9.3	44.6	9.7	44.6	9.5
Choline, mg	143	29.9	143	31.2	143	30.5
Inositol, mg	105	22.0	105	22.9	105	22.4
Minerals						
Calcium, mg	565	118	542	118	565	120
Phosphorus, mg	382	79.9	367	80.0	382	81.5
Magnesium, mg	76.5	16.0	76.5	16.7	76.5	16.3
Iron, mg	7.4	1.6	7.4	1.6	7.4	1.6
Zinc, mg	4.7	0.98	4.7	1.0	4.7	1.0
Manganese, mg	0.62	0.13	0.62	0.14	0.62	0.13
Copper, mcg	530	111	530	115	530	113
Iodine, mcg	85.2	17.8	85.2	18.6	85.2	18.2
Molybdenum, mcg	21.5	4.5	21.5	4.7	21.5	4.6
Chromium, mcg	18.0	3.8	18.0	3.9	18.0	3.8
Selenium, mcg	19.2	4.0	18.4	4.0	19.2	4.1
Sodium, mg	239	50.0	230	50.1	239	51.0
Potassium, mg	653	137	653	142	653	139
Chloride, mg	364	76.2	349	76.0	364	77.6

Ingredients:

Corn Syrup Solids (51%), Refined Vegetable Oils (Palm Kernel and/or Coconut Oil (8%), Canola Oil (7.5%), High Oleic Safflower Oil (7.5%)), L-Arginine (2.4%), L-Glutamine (2.3%), L-Lysine L-Aspartate (2%), and less than 2% of each of the following: Tripotassium Citrate, Calcium Phosphate Dibasic, L-Leucine, L-Phenylalanine, Fructo-oligosaccharide, Inulin, L-Proline, Silicon Dioxide, L-Valine, Glycine, L-Isoleucine, N-Acetyl-L-Methionine, L-Threonine, Mono and Diglycerides, Sodium Chloride, L-Histidine, L-Serine, L-Alanine, Magnesium Acetate, Calcium Phosphate Tribasic, Choline Bitartrate, L-Tryptophan, L-Tyrosine, Diacetyl Tartaric Acid Esters of Mono and Diglycerides, M-Inositol, L-Ascorbic Acid, L-Cystine, Propylene Glycol Alginate, Taurine, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Riboflavin, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Acetate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Molybdate, Sodium Selenite, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

Vanilla and Strawberry flavored versions also contain: Sugar (8%), and less than 2% of the following: Artificial Flavor, Artificial Sweetener: Sucralose.

Strawberry flavored version also contains less than 2% of Citric Acid.



Neocate® Splash, Unflavored

The first and only unflavored ready-to-feed hypoallergenic amino acid-based medical food for individuals over the age of 1.

Main Features:

- Hypoallergenic
- 100% non-allergenic free amino acids
- Nutritionally complete
- Convenient ready-to-feed 8 fl oz drink boxes
- Gluten- and casein-free
- Available in unflavored
- Energy density = 1 kcal/mL
- Energy distribution:

Protein	12%
Carbohydrate	42%
Fat (MCT 35% / LCT 65%)	46%
- Osmolality: 670 mOsm/kg
- Free water: 84.6%

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy-associated conditions:
 - Short bowel syndrome (SBS)
 - Eosinophilic esophagitis (EoE)
 - Food protein-induced enterocolitis syndrome (FPIES)
- Malabsorption
- Gastroesophageal reflux
- Other GI disorders

For details on administration, please see pages 24-35.

Meets or exceeds
100% DRIs⁵ for protein
+ 25 key vitamins
& minerals:

1-3 years	930 mL
4-8 years	1370 mL
9-13 years	1565 mL
14-18 years	2550 mL

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Box
84451 - Unflavored	49735-0144-51	B4161	27 x 237 mL (8 fl oz)	237

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per drink box (237 mL)	Per 100 mL	Minerals	Per drink box (237 mL)	Per 100 mL
Calories	237	100	Calcium, mg	280	118
Protein Equivalent, g	7.1	3.0	Phosphorus, mg	190	80.0
Fat, g	12.1	5.1	Magnesium, mg	37.9	16.0
Linoleic Acid, mg	690	291	Iron, mg	3.6	1.5
Carbohydrate, g	24.9	10.5	Zinc, mg	2.3	0.98
Vitamins			Manganese, mg	0.31	0.13
Vitamin A, IU (mcg R.E.)	474 (142)	200 (60.0)	Copper, mcg	237	100
Vitamin D ₃ , IU (mcg)	190 (4.7)	80.0 (2.0)	Iodine, mcg	42.2	17.8
Vitamin E, IU (mg α T.E.)	5.0 (3.3)	2.1 (1.4)	Molybdenum, mcg	10.7	4.5
Vitamin K, mcg	9.5	4.0	Chromium, mcg	9.0	3.8
Thiamin, mg	0.31	0.13	Selenium, mcg	9.5	4.0
Riboflavin, mg	0.47	0.20	Sodium, mg	119	50.0
Vitamin B ₆ , mg	0.24	0.10	Potassium, mg	325	137
Vitamin B ₁₂ , mcg	0.95	0.40	Chloride, mg	180	76.0
Niacin, mg	2.1	0.90			
Folic Acid, mcg	70.9	29.9			
Pantothenic Acid, mg	0.95	0.40			
Biotin, mcg	7.1	3.0			
Vitamin C, mg	22.0	9.3			
Choline, mg	70.9	29.9			
Inositol, mg	52.1	22.0			

Ingredients:

Water (85%), Maltodextrin (6%), Sugar (5%), Refined Vegetable Oils (High Oleic Sunflower Oil (2.3%), Medium Chain Triglycerides (Modified Palm Kernel and/or Coconut Oil) (1.8%), Canola Oil (0.6%)), and less than 2% of each of the following: L-Arginine, Calcium Glycerophosphate, L-Lysine L-Aspartate, Microcrystalline Cellulose, L-Leucine, L-Phenylalanine, Tripotassium Citrate, Trisodium Citrate, Diacetyl Tartaric Acid Esters of Mono & Diglycerides, Mono and Diglycerides, L-Proline, L-Valine, Glycine, L-Isoleucine, N-Acetyl L-Methionine, Calcium Chloride, L-Threonine, Citric Acid, L-Histidine, L-Serine, L-Ascorbic Acid, Dipotassium Phosphate, L-Alanine, Magnesium Acetate, Choline Bitartrate, L-Tryptophan, L-Tyrosine, Cellulose Gum, M-Inositol, L-Cystine, Taurine, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Riboflavin, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Molybdate, Sodium Selenite, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



Neocate® E028 Splash

A ready-to-feed amino acid-based medical food for individuals over the age of 1.

Main Features:

- Hypoallergenic
- 100% non-allergenic free amino acids
- To supplement essential nutrients in children on elimination diets
- Convenient ready-to-feed 8 fl oz drink boxes
- Gluten- and casein-free
- Available in 3 great flavors:
 - Grape
 - Tropical Fruit
 - Orange-Pineapple
- Energy density = 1 kcal/mL
- Osmolality (at 1 kcal/mL): 820 mOsm/kg
- Free water:

Grape	Tropical Fruit	Orange-Pineapple
80.5%	80.5%	77.8%
- Energy distribution:

Protein	10%
Carbohydrate	58%
Fat (MCT 35% / LCT 65%)	32%

Indications:

- Cow and soy milk allergy
- Multiple food allergies
- Food allergy associated conditions:
 - Short bowel syndrome (SBS)
 - Eosinophilic esophagitis (EoE)
 - Food protein-induced enterocolitis syndrome (FPIES)
 - Gastroesophageal reflux
 - Other GI disorders

For details on administration, please see pages 24-35.

Meets or exceeds 100% DRI[§] for protein + 75% DRIs for 20 key vitamins & minerals:

1-3 years	950 mL
4-8 years	1245 mL
9-13 years	1660 mL
14-18 years	2370 mL

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Box
12670 - Grape	49735-0126-70	B4161	27 x 237 mL (8 fl oz)	237
12666 - Tropical Fruit	49735-0126-66	B4161	27 x 237 mL (8 fl oz)	237
11050 - Orange-Pineapple	49735-0110-50	B4161	27 x 237 mL (8 fl oz)	237

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per drink box (237 mL)		Minerals	Per drink box (237 mL)	
	Per 100 kcal	Per 100 kcal		Per 100 kcal	Per 100 kcal
Calories	237	100	Calcium, mg	147	62
Protein Equivalent, g	5.9	2.5	Phosphorus, mg	147	62
Fat, g	8.3	3.5	Magnesium, mg	21.3	9
Linoleic Acid, mg	626	264	Iron, mg	1.8	0.77
Carbohydrate, g	34.6	14.6	Zinc, mg	1.8	0.77
Vitamins			Manganese, mg	0.24	0.1
Vitamin A, IU (mcg RE)	277 (83)	117 (35)	Copper, mcg	240	100
Vitamin D ₃ , IU (mcg)	73.5 (1.9)	31 (0.78)	Iodine, mcg	14.2	6
Vitamin E, IU (mg α T.E.)	1.9 (1.3)	0.82 (0.55)	Molybdenum, mcg	8.3	3.5
Vitamin K, mcg	3.6	1.5	Chromium, mcg	7.1	3
Thiamin, mg	0.13	0.06	Selenium, mcg	3.7	1.5
Riboflavin, mg	0.15	0.07	Sodium, mg	47.4	20
Vitamin B ₆ , mg	0.19	0.08	Potassium, mg	220	93
Vitamin B ₁₂ , mcg	0.17	0.07	Chloride, mg	83	35
Niacin, mg	2.1	0.9			
Folic Acid, mcg	14.2	6			
Pantothenic Acid, mg	0.57	0.24			
Biotin, mcg	4.7	2			
Vitamin C, mg	7.4	3.1			
Choline, mg	43.4	18.3			
Inositol, mg	4.3	1.8			

Ingredients:

Water (80%), Maltodextrin (11%), Sugar (5%), and 2% or less of each of the following ingredients: Fractionated Coconut Oil, Canola Oil, High Oleic Sunflower Oil, L-Arginine, L-Lysine, L-Aspartate, Microcrystalline Cellulose, Calcium Glycerophosphate, L-Leucine, L-Phenylalanine, L-Proline, L-Valine, Glycine, L-Isoleucine, Mono and Diglycerides, Diacetyl Tartaric Acid Esters of Mono and Diglycerides, N-Acetyl L-Methionine, L-Threonine, Dispotassium Phosphate, L-Histidine, L-Serine, L-Alanine, Tripotassium Citrate, Fractionated Coconut Oil, Palm Kernel Oil, Magnesium Acetate, L-Tryptophan, Choline Bitartrate, Calcium Chloride, L-Tyrosine, Trisodium Citrate, L-Ascorbic Acid, Sodium Chloride, Artificial Sweetener: Acesulfame Potassium, L-Cystine, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, M-Inositol, Niacinamide, Manganese Sulfate, Cupric Sulfate, Calcium-D-Pantothenate, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Palmitate, Thiamin Mononitrate, Chromium Sulfate, Sodium Molybdate, Potassium Iodide, Folic Acid, Sodium Hydrogen Selenite, D-Biotin, Phylloquinone, Vitamin D₃, Cyanocobalamin.

Grape flavored version of this product contains 2% or less of each of the following: Malic Acid, Artificial Flavor, Vitamin E Acetate.

Tropical Fruit flavored version of this product contains 2% or less of each of the following: Artificial Flavor, Citric Acid, Vitamin E Acetate.

Orange-Pineapple flavored version of this product contains 2% or less of each of the following: Artificial Flavors, Citric Acid, Corn Syrup Solids, Malic Acid, DL-alpha Tocopherol Acetate.



Pepdite® Junior

A nutritionally complete powdered medical food, based on free amino acids and non-dairy hydrolysates, for children over the age of 1.

Main Features:

- 44% free amino acids
- 56% low molecular weight peptides (86% < 1000 daltons)
- Nutritionally complete
- Non-dairy hydrolysates
- Extra vitamins and minerals for malabsorptive conditions
- Standard dilution = 1 kcal/mL
- Osmolality (mOsm/kg):
Dilution 1 kcal/mL 430
- Energy distribution:
Protein 12%
Carbohydrate 42%
Fat (MCT 35% / LCT 65%) 46%
- Displacement 0.58 mL/g

Indications:

- Gastrointestinal tract impairment
- Malabsorption
- Short bowel syndrome (SBS)
- Whole protein intolerance
- Other medical conditions for which a semi-elemental diet is required

For a dilution chart, please contact us at (800) 365-7354.

For details on administration and **household measures**, please see pages 24-35.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Packet
11766 - Unflavored	49735-0117-66	B4161	15 x 51 g (1.8 oz)	240

WIC+ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per packet (51 g)	Per 100 kcal	Minerals	Per packet (51 g)	Per 100 kcal
Calories	240	100	Calcium, mg	271	113
Protein Equivalent, g	7.4	3.1	Phosphorus, mg	225	94
Fat, g	12	5	Magnesium, mg	43.1	18
Linoleic Acid, mg	1313	548	Iron, mg	3.3	1.4
Carbohydrate, g	25.5	10.6	Zinc, mg	3.3	1.4
Vitamins			Manganese, mg	0.48	0.2
Vitamin A, IU (mcg RE)	582 (175)	243 (73)	Copper, mcg	265	110
Vitamin D3, IU (mcg)	78 (1.95)	32 (0.8)	Iodine, mcg	23	9.6
Vitamin E, IU (mg α T.E.)	3.9 (2.6)	1.6 (1.1)	Molybdenum, mcg	10.8	4.5
Vitamin K, mcg	6.5	2.7	Chromium, mcg	9.0	3.7
Thiamin, mg	0.24	0.1	Selenium, mcg	7.1	3
Riboflavin, mg	0.24	0.1	Sodium, mg	98	41
Vitamin B6, mg	0.24	0.1	Potassium, mg	327	136
Vitamin B12, mcg	0.48	0.2	Chloride, mg	151	63
Niacin, mg	2.9	1.2			
Folic Acid, mcg	72	30			
Pantothenic Acid, mg	0.97	0.4			
Biotin, mcg	4.8	2			
Vitamin C, mg	22.2	9.3			
Choline, mg	90	37.5			
Inositol, mg	53	22			

Ingredients:

Corn Syrup Solids, Hydrolyzed Protein (Pork, Soy), Fractionated Coconut Oil, Canola Oil, High Oleic Safflower Oil, Calcium Phosphate Dibasic, L-Glutamine, Tripotassium Citrate, L-Lysine Acetate, Mono and Diglycerides, L-Leucine, Magnesium Acetate, Choline Hydrogen Tartrate, L-Isoleucine, L-Valine, L-Threonine, Potassium Chloride, L-Tryptophan, L-Cystine, L-Phenylalanine, Diacetyl Tartaric Acid Esters of Mono and Diglycerides, Sodium Chloride, M-Inositol, L-Methionine, L-Ascorbic Acid, L-Histidine, Propylene Glycol Alginate, Ferrous Sulfate, Taurine, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Chromium Sulfate, Niacinamide, Manganese Sulfate, Copper Sulfate, Calcium-D-Pantothenate, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Acetate, Riboflavin, Folic Acid, Potassium Iodide, Sodium Molybdate, Sodium Hydrogen Selenite, Phylloquinone, D-Biotin, Vitamin D3, Cyanocobalamin.

DIRECTIONS FOR PREPARATION AND USE:

- Intake to be determined by a healthcare professional and is dependent on the age, body weight and medical condition of the patient. Intended for use under medical supervision.
- All formulas can be taken orally or tube fed. Not for parenteral use. (Neocate Nutra is a semi-solid medical food and is not for bottle or tube feeding.)
- Do not boil formula or use a microwave to prepare or warm formula.
- If taken orally, formulas for beyond 1 year of age are best served chilled.
- Once formula is prepared or drink box is opened, formula should be stored in a refrigerator and kept no longer than 24 hours from the time of preparation (time of opening for liquids). Shake or stir formula immediately before use.
- **Tube feeding hang time:** Nutricia recommends formula can be safely kept at room temperature for up to 4 hours, at which time unused formula should be discarded.
- Discard formula left in bottle or cup 1 hour after feeding starts.
- All scoops should be unpacked and level. Use a scale that measures in grams for the most accurate results. Household measures are not recommended for measuring powdered Nutricia products.

STORAGE:

Cans: Store unopened cans at room temperature. Avoid extreme temperatures. Once opened, reseal can and store in a cool, dry place (not a refrigerator). Use within one month.

Sachets: Store unopened sachets at room temperature. Once opened, reseal and store in a cool, dry place (not a refrigerator) and use within one week.

Liquids: Store unopened product in a cool, dry place. Once opened, store in a refrigerator and keep no longer than 24 hours. Do not freeze.

Neocate Infant DHA / ARA**DIRECTIONS FOR PREPARATION:**

To make a standard dilution (20 cal/fl oz), add 1 unpacked level scoop (4.6 g) of powder to each fluid ounce of water. Only use the scoop provided.

1. Wash hands thoroughly and clean the preparation area.
2. Pour the required amount of cooled, boiled water into a sterilized feeding bottle*.
3. Add the prescribed amount of scoops of Neocate Infant DHA/ARA to the water.
4. Place the cap on the bottle and shake until the powder dissolves.

*Boiling is the preferred method for sterilizing water, bottles, nipples and mixing utensils.

Neocate Junior, Neocate Splash, E028 Splash and Pepdite Junior**DIRECTIONS FOR PREPARATION:**

Neocate Splash and E028 Splash: Shake well before use.

Neocate Junior

1. Measure the required amount of warm or cool water into a container.
2. Add the prescribed amount of Neocate Junior to the water.
3. Cover and shake until the powder has dissolved.

Pepdite Junior

1. Pour 7 fl oz (210 mL) of cold water into a container suitable for shaking.
2. Add one packet of Pepdite Junior to yield a final volume of 8 fl oz (240 mL).
3. Shake vigorously until completely dissolved.

Neocate Nutra**DIRECTIONS FOR PREPARATION AND USE:**

The suggested serving is 8 scoops (37 g) of powder plus 2 fl oz water to give a spoonable consistency. A smaller serving size can be prepared by adding 1 fl oz of water to 4 scoops of powder (18.5 g). It is recommended that cooled, boiled water be used when preparing the product for infants.

1. Wash hands thoroughly and clean the preparation area.
2. Add the recommended number of scoops of Neocate Nutra to a clean bowl.
3. Gradually add the required amount of water while stirring with a clean spoon. Mix until thickened. To alter the consistency, add more or less water as required.

Neocate Nutra should be prepared immediately prior to feeding. Any prepared product remaining should be discarded if not used within one hour. Neocate Nutra can be added to cooked dishes. Do not add to very hot foods. Do not warm prepared product. Not suitable as a sole source of nutrition. **Not for bottle or tube feeding.**

Visit NutriciaLearningCenter.com for the
Neocate Mixing Tool and Household Measures Calculator

Household Measures

Measure	Weight	Measure	Weight
Neocate Infant DHA / ARA and Neocate Nutra		Neocate Junior with Prebiotics, Strawberry	
1 scoop	4.6 g	1 scoop	8.0 g
1/2 tsp	1.3 g	1/2 tsp	1.2 g
1 tsp	2.6 g	1 tsp	2.3 g
1 Tbsp	7.9 g	1 Tbsp	6.9 g
1/4 cup	31.5 g	1/4 cup	27.8 g
1/3 cup	42 g	1/3 cup	37.0 g
1/2 cup	63 g	1/2 cup	55.5 g
1 cup	126 g	1 cup	111 g
Neocate Junior, Unflavored, Tropical and Chocolate		Neocate Junior with Prebiotics, Vanilla	
1 scoop	8.2 g	1 scoop	8.2 g
1/2 tsp	1.2 g	1/2 tsp	1.3 g
1 tsp	2.4 g	1 tsp	2.5 g
1 Tbsp	7.3 g	1 Tbsp	7.5 g
1/4 cup	29 g	1/4 cup	30 g
1/3 cup	38.7 g	1/3 cup	40 g
1/2 cup	58 g	1/2 cup	60 g
1 cup	116 g	1 cup	120 g
Neocate Junior with Prebiotics, Unflavored		Pepdite Junior	
1 scoop	8.2 g	1/2 tsp	1 g
1/2 tsp	1.4 g	1 tsp	2 g
1 tsp	2.7 g	1 Tbsp	7 g
1 Tbsp	8.1 g	1/4 cup	25 g
1/4 cup	32.3 g	1/3 cup	33 g
1/3 cup	43 g	1/2 cup	48 g
1/2 cup	64.5 g	1 cup	99 g
1 cup	129 g		

Household measures are based on standard US, dry household measures.* All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a gram scale for greatest accuracy. The scoops Nutricia provides are validated for use with Nutricia formulas, so are preferable to household measures.

*US measures: 1 cup = 240 mL; 1/2 cup = 120 mL; 1/3 cup = 80 mL; 1/4 cup = 60 mL; 1 Tbsp = 15 mL; 1 tsp = 5 mL; 1/2 tsp = 2.5 mL

Volume Prescription

Neocate Infant DHA / ARA								
Volume/day	20 kcal/fl oz (# cans/mon)	22 kcal/fl oz (# cans/mon)	24 kcal/fl oz (# cans/mon)	26 kcal/fl oz (# cans/mon)	28 kcal/fl oz (# cans/mon)	30 kcal/fl oz (# cans/mon)		
20 fl oz	6	7	7	8	9	9		
24 fl oz	7	8	9	10	10	11		
28 fl oz	9	10	10	11	12	13		
32 fl oz	10	11	12	13	14	15		
36 fl oz	11	12	13	15	16	17		
40 fl oz	12	14	15	16	17	19		
Total Volume/can	97 fl oz	88 fl oz	81 fl oz	74 fl oz	69 fl oz	64 fl oz		
Neocate Nutra								
Servings/day	4 scoops Nutra (88 kcal)		8 scoops Nutra (175 kcal)					
	(# cans/mon)	(# cs/mon)	(# cans/mon)	(# cs/mon)				
1 Serving	2	1	3	1				
2 Servings	3	1	6	2				
3 Servings	5	2	9	3				
4 Servings	6	2	12	3				
Total Servings/can	21 Servings		10 Servings					
Volume/day								
	Neocate Junior Unflavored		Neocate Junior Flavored		Neocate Splash & E028 Splash		Pepdite Junior	
	30 kcal/fl oz		30 kcal/fl oz		30 kcal/fl oz		30 kcal/fl oz	
	(# cans/mon)	(# cs/mon)	(# cans/mon)	(# cs/mon)	(# boxes/mon)	(# cs/mon)	(# pkts/mon)	(# cs/mon)
20 oz	10	3	10	3	76	3	75	5
24 oz	12	3	12	3	92	4	90	6
28 oz	14	4	14	4	107	4	105	7
32 oz	16	4	16	4	122	5	120	8
36 oz	17	5	18	5	137	6	135	9
40 oz	19	5	20	5	152	6	150	10

Number of cases per month (30 days) are rounded up to the nearest whole number.

Neocate® Infant DHA / ARA

Nutrient Dilution Chart (20-25 kcal/fl oz)

Nutrients per 100 mL						
Dilution	20 kcal/fl oz	21 kcal/fl oz	22 kcal/fl oz	23 kcal/fl oz	24 kcal/fl oz	25 kcal/fl oz
Calories	66.7	70.0	73.3	76.7	80.0	83.3
Protein Equivalent, g	1.9	2.0	2.0	2.1	2.2	2.3
Fat, g	3.4	3.6	3.7	3.9	4.1	4.2
Carbohydrate, g	7.2	7.5	7.9	8.3	8.6	9.0
Linoleic Acid, mg	492	517	541	566	590	615
α-Linolenic Acid, mg	57.9	60.8	63.7	66.6	69.5	72.4
Vitamins						
Vitamin A, IU	187	196	205	215	224	233
Vitamin D3, IU	48.6	51.0	53.4	55.9	58.3	60.7
Vitamin E, IU	0.94	0.99	1.0	1.1	1.1	1.2
Vitamin K, mcg	5.9	6.2	6.5	6.7	7.0	7.3
Thiamin, mcg	95.2	100	105	110	114	119
Riboflavin, mcg	74.5	78.3	82.0	85.7	89.4	93.2
Vitamin B6, mcg	74.5	78.3	82.0	85.7	89.4	93.2
Vitamin B12, mcg	0.18	0.19	0.20	0.21	0.22	0.22
Niacin, mcg	676	710	744	778	812	845
Folic Acid, mcg	8.8	9.3	9.7	10.2	10.6	11.0
Pantothenic Acid, mcg	400	420	440	460	480	500
Biotin, mcg	2.6	2.8	2.9	3.0	3.1	3.3
Vitamin C, mg	7.1	7.5	7.8	8.2	8.5	8.9
Choline, mg	13.2	13.8	14.5	15.1	15.8	16.5
Inositol, mg	14.9	15.7	16.4	17.1	17.9	18.6
Minerals						
Calcium, mg	77.4	81.3	85.2	89.0	92.9	96.8
Phosphorus, mg	54.8	57.5	60.3	63.0	65.8	68.5
Magnesium, mg	7.0	7.4	7.7	8.1	8.4	8.8
Iron, mg	1.0	1.1	1.1	1.2	1.2	1.3
Zinc, mg	0.73	0.77	0.80	0.84	0.88	0.91
Manganese, mcg	27.6	29.0	30.4	31.7	33.1	34.5
Copper, mcg	56.6	59.4	62.2	65.1	67.9	70.7
Iodine, mcg	13.8	14.5	15.2	15.9	16.6	17.3
Molybdenum, mcg	1.6	1.6	1.7	1.8	1.9	1.9
Chromium, mcg	1.5	1.5	1.6	1.7	1.8	1.8
Selenium, mcg	2.0	2.1	2.2	2.3	2.4	2.5
Sodium, mg	26.1	27.4	28.7	30.0	31.3	32.6
Potassium, mg	72.5	76.1	79.7	83.3	87.0	90.6
Chloride, mg	53.3	55.9	58.6	61.3	63.9	66.6

Neocate® Infant DHA / ARA

Nutrient Dilution Chart (26-30 kcal/fl oz)

Nutrients per 100 mL					
Dilution	26 kcal/fl oz	27 kcal/fl oz	28 kcal/fl oz	29 kcal/fl oz	30 kcal/fl oz
Calories	86.7	90.0	93.3	96.7	100
Protein Equivalent, g	2.4	2.5	2.6	2.7	2.8
Fat, g	4.4	4.6	4.7	4.9	5.1
Carbohydrate, g	9.3	9.7	10.0	10.4	10.8
Linoleic Acid, mg	640	664	689	713	738
α-Linolenic Acid, mg	75.3	78.1	81.0	83.9	86.8
Vitamins					
Vitamin A, IU	243	252	261	271	280
Vitamin D3, IU	63.2	65.6	68.0	70.4	72.9
Vitamin E, IU	1.2	1.3	1.3	1.4	1.4
Vitamin K, mcg	7.6	7.9	8.2	8.5	8.8
Thiamin, mcg	124	129	133	138	143
Riboflavin, mcg	96.9	101	104	108	112
Vitamin B6, mcg	96.9	101	104	108	112
Vitamin B12, mcg	0.23	0.24	0.25	0.26	0.27
Niacin, mcg	879	913	947	981	1014
Folic Acid, mcg	11.5	11.9	12.4	12.8	13.3
Pantothenic Acid, mcg	520	540	560	580	600
Biotin, mcg	3.4	3.5	3.7	3.8	3.9
Vitamin C, mg	9.3	9.6	10.0	10.3	10.7
Choline, mg	17.1	17.8	18.4	19.1	19.8
Inositol, mg	19.4	20.1	20.9	21.6	22.4
Minerals					
Calcium, mg	101	105	108	112	116
Phosphorus, mg	71.2	74.0	76.7	79.5	82.2
Magnesium, mg	9.2	9.5	9.9	10.2	10.6
Iron, mg	1.3	1.4	1.4	1.5	1.5
Zinc, mg	0.95	0.99	1.0	1.1	1.1
Manganese, mcg	35.9	37.3	38.6	40.0	41.4
Copper, mcg	73.6	76.4	79.2	82.1	84.9
Iodine, mcg	17.9	18.6	19.3	20.0	20.7
Molybdenum, mcg	2.0	2.1	2.2	2.3	2.3
Chromium, mcg	1.9	2.0	2.0	2.1	2.2
Selenium, mcg	2.6	2.7	2.8	2.9	3.0
Sodium, mg	33.9	35.2	36.5	37.8	39.1
Potassium, mg	94.2	97.8	101	105	109
Chloride, mg	69.3	71.9	74.6	77.3	79.9

Dilution Charts

20 kcal/fl oz (Standard dilution)

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.0	90	3	13.8	3.3	100
5.0	150	5	23.0	5.5	166
7.0	210	7	32.2	7.8	233
11.0	330	11	50.6	12.2	365
15.0	450	15	69.0	16.6	498
18.0	540	18	82.8	19.9	598
22.0	660	22	101.2	24.4	731
25.0	750	25	115.0	27.7	831
29.0	870	29	133.4	32.1	963
31.0	930	31	142.6	34.3	1030

24 kcal/fl oz

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
2.5	75	3	13.8	2.8	85
5.0	150	6	27.6	5.6	169
6.5	195	8	36.8	7.4	221
10.5	315	13	59.8	11.9	357
14.0	420	17	78.2	15.8	475
18.0	540	22	101.2	20.4	611
21.5	645	26	119.6	24.3	729
24.5	735	30	138	27.7	832
28.5	855	35	161	32.3	968
32.0	960	39	179.4	36.2	1086

28 kcal/fl oz

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.5	165	8	36.8	6.4	191
7.5	225	11	50.6	8.7	260
9.0	270	13	59.8	10.4	312
11.0	330	16	73.6	12.7	382
14.5	435	21	96.6	16.8	503
17.0	510	25	115.0	19.7	591
20.5	615	30	138.0	23.7	712
24.0	720	35	161.0	27.8	833
28.0	840	41	188.6	32.4	972
31.5	945	46	211.6	36.4	1093

22 kcal/fl oz

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.5	135	5	23.0	5.0	151
5.5	165	6	27.6	6.1	184
8.0	240	9	41.4	9.0	269
11.0	330	12	55.2	12.3	369
14.5	435	16	73.6	16.2	487
18.0	540	20	92.0	20.1	604
22.0	660	24	110.4	24.6	737
25.5	765	28	128.8	28.5	855
29.0	870	32	147.2	32.4	973
32.5	975	36	165.6	36.4	1091

26 kcal/fl oz

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.0	90	4	18.4	3.4	103
4.5	135	6	27.6	5.1	154
7.5	225	10	46.0	8.6	257
10.5	315	14	64.4	12.0	360
14.0	420	19	87.4	16.0	481
18.0	540	24	110.4	20.6	617
21.0	630	28	128.8	24.0	720
24.5	735	33	151.8	28.0	841
27.5	825	37	170.2	31.5	944
30.0	900	40	184.0	34.3	1029

30 kcal/fl oz

Volume of Water*		Amount of Neocate Powder†		Approximate Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
2.5	75	4	18.4	2.9	88
5.0	150	8	36.8	5.9	176
7.0	210	11	50.6	8.2	245
10.0	300	16	73.6	11.7	352
14.0	420	22	101.2	16.4	491
17.0	510	27	124.2	19.9	597
20.5	615	32	147.2	23.9	718
24.0	720	38	174.8	28.1	842
28.0	840	44	202.4	32.7	982
31.0	930	49	225.4	36.3	1088

* This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.

† Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 4.6 grams powder and provides 22.22 kcal. 1 gram provides 4.83 kcal and displaces ~0.70 mL water.

For household measures, see page 26.

Dilution Charts

20 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	105	2	16.4	3.9	117
7.0	210	4	32.8	7.8	234
10.5	315	6	49.2	11.7	350
21.0	630	12	98.4	23.4	701
30.0	900	17	139	33.3	1000

28 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
6.0	180	5	41.0	7.0	210
12.0	360	10	82.0	14.0	419
18.0	540	15	123	21.0	629
24.0	720	20	164	27.9	838
30.0	900	25	205	34.9	1048

22 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.0	240	5	41.0	9.0	270
11.0	330	7	57.4	12.4	371
16.0	480	10	82.0	18.0	539
19.0	570	12	98.4	21.4	641
30.0	900	19	156	33.7	1012

30 kcal/fl oz (Standard dilution)

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	100	3	24.6	4.0	120
6.5	200	6	49.2	8.0	240
10.0	300	9	73.8	11.8	353
20.0	600	18	148	24.0	715
28.0	840	25	205	32.9	988

24 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.5	255	6	49.2	9.7	290
11.5	345	8	65.6	13.1	392
16.0	480	11	90.2	18.2	545
20.0	600	14	115	22.8	683
30.0	900	21	172	34.1	1024

32 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
12.5	375	12	98.4	14.9	446
15.5	465	15	123	18.5	554
18.5	555	18	148	22.0	661
21.5	645	21	172	25.6	769
28.0	840	27	221	33.3	999

26 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.0	120	3	24.6	4.6	138
8.0	240	6	49.2	9.2	275
12.0	360	9	73.8	13.8	413
17.0	510	13	107	19.6	587
29.0	870	22	180	33.3	1000

34 kcal/fl oz

Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.5	255	9	73.8	10.3	308
11.5	345	12	98.4	13.9	416
14.5	435	15	123	17.5	524
21.0	630	22	180	25.3	760
27.0	810	28	230	32.5	975

* This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.

† Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 8.2 grams powder and provides 39.2 kcal. 1 gram provides 4.78 kcal and displaces ~0.72 mL water.

For household measures, see page 26. Visit www.NutriciaLearningCenter for printable dilution charts and the Neocate Mixing Tool.

Neocate® Junior with Prebiotics, Unflavored

Dilution Charts

20 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	105	2	16.4	3.9	117
7.0	210	4	32.8	7.8	234
12.5	375	7	57.4	13.9	417
21.0	630	12	98.4	23.4	703
30.0	900	17	139	33.4	1003

22 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.0	240	5	41.0	9.0	270
11.0	330	7	57.4	12.4	372
14.0	420	9	73.8	15.8	475
19.0	570	12	98.4	21.4	643
30.0	900	19	156	33.8	1015

24 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.5	255	6	49.2	9.7	291
11.5	345	8	65.6	13.1	394
16.0	480	11	90.2	18.2	547
20.0	600	14	115	22.8	685
29.0	870	20	164	33.0	991

26 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
6.5	195	5	41.0	7.5	225
9.0	270	7	57.4	10.4	312
13.0	390	10	82.0	15.0	451
21.0	630	16	131	24.2	727
29.0	870	22	180	33.4	1003

28 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
6.0	180	5	41.0	7.0	210
9.5	285	8	65.6	11.1	334
17.0	510	14	115	19.8	595
23.0	690	19	156	26.8	805
28.0	840	23	189	32.7	980

30 kcal/fl oz (Standard dilution)					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	100	3	24.6	4.0	120
6.5	200	6	49.2	8.0	240
11.0	330	10	82.0	13.0	391
20.0	600	18	148	24.0	715
28.0	840	25	205	33.1	992

32 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
14.5	435	14	115	17.3	520
17.5	525	17	139	20.9	628
21.5	645	21	172	25.7	772
25.5	765	25	205	30.6	917
28.0	840	27	221	33.5	1004

34 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
7.5	225	8	65.6	9.1	274
10.5	315	11	90.2	12.7	382
15.0	450	16	131	18.2	547
20.0	600	21	172	24.2	727
26.0	780	27	221	31.5	944

*This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.
 †Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 8.2 grams powder and provides 39.2 kcal. 1 gram provides 4.78 kcal and displaces ~0.74 mL water.
 For household measures, see page 26. Visit www.NutriciaLearningCenter.com for printable dilution charts and the Neocate Mixing Tool.

Neocate® Junior with Prebiotics, Vanilla

Dilution Charts

20 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.0	150	3	24.6	5.6	167
10.0	300	6	49.2	11.2	335
15.0	450	9	73.8	16.7	502
20.0	600	12	98.4	22.3	670
29.0	870	17	139	32.3	969

22 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.5	135	3	24.6	5.1	152
9.0	270	6	49.2	10.2	305
15.0	450	10	82.0	16.9	508
21.0	630	14	115	23.7	712
29.0	870	19	156	32.7	981

24 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.5	165	4	32.8	6.3	188
9.5	285	7	57.4	10.9	326
14.0	420	10	82.0	15.9	478
21.0	630	15	123	23.9	717
29.0	870	21	172	33.1	992

26 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.0	150	4	32.8	5.8	173
10.0	300	8	65.6	11.6	347
15.0	450	12	98.4	17.3	520
20.0	600	16	131	23.1	693
28.0	840	22	180	32.3	968

28 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	105	3	24.6	4.1	122
7.0	210	6	49.2	8.2	245
14.0	420	12	98.4	16.3	490
21.0	630	18	148	24.5	735
28.0	840	24	197	32.7	980

30 kcal/fl oz (Standard dilution)					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.0	120	4	32.8	5.0	150
7.5	225	7	57.4	9.0	270
14.0	420	13	107	16.5	496
21.0	630	20	164	25.0	750
28.0	840	26	213	33.0	991

32 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
15.5	465	16	131	18.6	558
18.5	555	19	156	22.2	666
22.5	675	23	189	27.0	809
26.5	795	27	221	31.7	952
30.0	900	31	254	36.0	1080

34 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.5	165	6	49.2	6.7	200
10.0	300	11	90.2	12.1	364
15.5	465	17	139	18.8	564
20.0	600	22	180	24.3	728
28.0	840	31	254	34.0	1020

*This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.
 †Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 8.2 grams powder and provides 37.64 kcal. 1 gram provides 4.59 kcal and displaces ~0.71 mL water.
 For household measures, see page 26. Visit www.NutriciaLearningCenter.com for printable dilution charts and the Neocate Mixing Tool.

Neocate® Junior with Prebiotics, Strawberry

Dilution Charts

20 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.0	150	3	24.0	5.6	167
8.5	255	5	40.0	9.4	283
15.0	450	9	72.0	16.7	501
22.0	660	13	104	24.5	734
32.0	960	19	152	35.6	1068

22 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.0	90	2	16.0	3.4	101
7.5	225	5	40.0	8.4	253
12.0	360	8	64.0	13.5	405
20.0	600	13	104	22.5	674
29.0	870	19	152	32.6	978

24 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.5	165	4	32.0	6.3	188
9.5	285	7	56.0	10.8	325
12.5	375	9	72.0	14.2	426
22.0	660	16	128	25.0	751
29.0	870	21	168	33.0	989

26 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
2.5	75	2	16.0	2.9	86
7.5	225	6	48.0	8.6	259
10.0	300	8	64.0	11.5	345
20.0	600	16	128	23.0	691
28.0	840	22	176	32.2	965

28 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.5	105	3	24.0	4.1	122
7.0	210	6	48.0	8.1	244
10.5	315	9	72.0	12.2	366
22.0	660	19	152	25.6	768
28.0	840	24	192	32.5	976

30 kcal/fl oz (Standard dilution)					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.0	120	4	32.0	5.0	143
7.5	225	7	56.0	9.0	265
11.5	345	11	88.0	13.6	407
21.0	630	20	160	25.0	744
28.0	840	26	208	32.9	988

32 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
15.5	465	16	128	18.5	556
19.5	585	20	160	23.3	699
24.5	735	25	200	29.2	877
29.5	885	30	240	35.2	1055
34.5	1035	35	280	41.1	1234

34 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.5	165	6	48.0	6.6	199
10.0	300	11	88.0	12.1	362
15.5	465	17	136	18.7	562
20.0	600	22	176	24.2	725
26.5	795	29	232	32.0	960

*This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.
 † Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 8.0 grams powder and provides 37.5 kcal. 1 gram provides 4.69 kcal and displaces ~0.71 mL water.
 For household measures, see page 26. Visit www.NutriciaLearningCenter.com for printable dilution charts and the Neocate Mixing Tool.

Neocate® Junior, Chocolate and Tropical

Dilution Charts

20 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
5.0	150	3	24.6	5.6	168
10.0	300	6	49.2	11.2	335
15.0	450	9	73.8	16.8	503
20.0	600	12	98.4	22.4	671
30.0	900	18	148	33.5	1006

22 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
3.0	90	2	16.4	3.4	102
6.0	180	4	32.8	6.8	204
12.0	360	8	65.6	13.6	407
19.0	570	13	107	21.6	647
28.0	840	19	156	31.7	952

24 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.0	120	3	24.6	4.6	138
8.0	240	6	49.2	9.2	275
15.0	450	11	90.2	17.2	515
19.0	570	14	115	21.8	653
28.0	840	21	172	32.1	964

26 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.5	255	7	57.4	9.9	296
11.0	330	9	73.8	12.8	383
16.0	480	13	107	18.6	557
21.0	630	17	139	24.3	730
28.0	840	23	189	32.5	976

28 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
8.0	240	7	57.4	9.4	281
12.5	375	11	90.2	14.7	440
16.0	480	14	115	18.8	563
20.0	600	18	148	23.5	706
27.0	810	24	197	31.7	952

30 kcal/fl oz (Standard dilution)					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.0	120	4	32.8	5.0	145
7.0	210	7	57.4	8.0	255
11.5	345	11	90.2	13.7	410
20.0	600	20	164	24.0	730
28.0	840	27	221	33.3	999

32 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
9.5	285	10	82.0	11.5	344
12.5	375	13	107	15.1	452
15.5	465	16	131	18.6	559
20.0	600	21	172	24.1	724
28.0	840	29	238	33.7	1011

34 kcal/fl oz					
Water Volume*		Neocate Powder†		Final Volume*	
fl oz	mL	scoops	grams	fl oz	mL
4.5	135	5	41.0	5.5	165
9.0	270	10	82.0	11.0	329
15.0	450	17	139	18.3	550
22.0	660	25	205	26.9	808
27.0	810	30	246	32.9	987

*This chart assumes 1 fl oz = 30 mL. Water volumes are exact, but final volume of prepared formula may vary slightly.
 † Scoops should be level and unpacked. While the scoops Nutricia provides are validated for use with Nutricia formulas, weighing powder using a gram scale provides greatest accuracy. 1 level, unpacked scoop yields 8.2 grams powder and provides 37.0 kcal. 1 gram provides 4.51 kcal and displaces ~0.72 mL water.
 For household measures, see page 26. Visit www.NutriciaLearningCenter.com for printable dilution charts and the Neocate Mixing Tool.

Update on Monitoring Micronutrients

Serum levels of micronutrients, particularly phosphorus, should be routinely monitored by clinicians when Neocate is used as a primary or sole source of nutrition for patients with complex systemic disease involving multiple diagnoses and intestinal disease,* especially in combination with tube feeding and/or a history of prematurity. Neocate** formulas are intended for use under medical supervision.

** A retrospective review identified case studies of patients on primary or sole source nutrition with diagnoses covering multiple systems, including congenital gastrointestinal anomalies and GI surgeries (such as necrotizing enterocolitis, esophageal atresia, tracheoesophageal fistula); neurological conditions (such as seizures, intraventricular hemorrhage, hydrocephalus); respiratory (lung disease, tracheostomy, aspiration); cardiac (congenital heart disease); and other systemic conditions, often in conjunction with tube feeding and/or a history of prematurity.*

*** Neocate is an amino acid-based formula for dietary management of cow milk allergy, multiple food protein allergies, and related GI and allergic conditions for which an amino acid-based diet is indicated.*



METABOLICS



Find more information and resources on these and all of our products at www.NutriciaLearningCenter.com



PKU Periflex® Early Years

A phenylalanine-free powdered infant formula with iron, for the dietary management of phenylketonuria (PKU). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- Phenylalanine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90164	49735-0101-64	B4162	6 x 400 g (14.1 oz)	1892

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.62	0.46	Inositol, mg	98.0	72.6
L-Arginine	1.09	0.81	Minerals		
L-Aspartic Acid	1.02	0.76	Calcium, mg	371	275
L-Cystine	0.41	0.30	Phosphorus, mg	270	200
L-Glutamine	1.28	0.95	Magnesium, mg	52.5	38.9
Glycine	0.96	0.71	Iron, mg	7.3	5.4
L-Histidine	0.63	0.47	Zinc, mg	5.2	3.9
L-Isoleucine	0.96	0.71	Manganese, mcg	390	289
L-Leucine	1.65	1.2	Copper, mcg	390	289
L-Lysine	1.11	0.82	Iodine, mcg	82.5	61.1
L-Methionine	0.26	0.19	Molybdenum, mcg	10.9	8.1
L-Phenylalanine	Nil Added	Nil Added	Chromium, mcg	12.5	9.3
L-Proline	1.1	0.81	Selenium, mcg	14.1	10.4
L-Serine	0.72	0.53	Sodium, mg	171	127
L-Threonine	0.81	0.6	Potassium, mg	454	336
L-Tryptophan	0.31	0.23	Chloride, mg	321	238
L-Tyrosine	1.44	1.07			
L-Valine	1.05	0.78			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Arginine, L-Aspartate, L-Leucine, L-Lysine Acetate, L-Tyrosine, L-Glutamine, L-Proline, Tricalcium Phosphate, L-Valine, CAEM (an emulsifier), Glycine, L-Isoleucine, L-Threonine, L-Serine, L-Histidine, L-Alanine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, Sodium Phosphate Dibasic, L-Cystine, M. Alpina Oil*, L-Tryptophan, Choline Bitartrate, L-Methionine, Magnesium Acetate, Magnesium Aspartate, C. Cohnii Oil**, Sodium Chloride, M-Inositol, L-Ascorbic Acid, Ferrous Sulfate, Taurine, Zinc Sulfate, L-Carnitine, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin

CONTAINS: Soy, Coconut, Milk.

* A Source of Arachidonic Acid (ARA)

** A Source of Docosahexaenoic Acid (DHA)

Contains GOS/FOS 0.8 g per 100 mL



PKU Periflex® Junior Plus

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in children over 1 year of age.

Main Features:

- Phenylalanine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate (including a multi-fiber blend), fat (including DHA), vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- Provides 28 g protein equivalent and 12.5 g fat per 100 g of powder
- Available in plain, vanilla, berry and orange
- Osmolality (mOsm/kg): 1340 (at 1 kcal/mL)
- Displacement: 0.72 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
89477 - Plain	49735-0194-77	B4162	6 x 400 g (14.1 oz)	1540
89478 - Vanilla	49735-0194-78	B4162	6 x 400 g (14.1 oz)	1508
89474 - Berry	49735-0194-74	B4162	6 x 400 g (14.1 oz)	1508
89476 - Orange	49735-0194-76	B4162	6 x 400 g (14.1 oz)	1508

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories (flavors)	385 (377)	138 (135)	Vitamin A, IU (mcg RE)	1399 (420)	500 (150)
Protein Equivalent, g	28	10	Vitamin D, IU (mcg)	840 (21.0)	300 (7.5)
Fat, g	12.5	4.5	Vitamin E, IU (mg α TE)	12.5 (8.4)	4.5 (3)
Saturates, g	2	0.71	Vitamin K, mcg	14	5
Monounsaturates, g	8.2	2.9	Thiamin, mg	0.93	0.33
Polyunsaturates, g	1.8	0.64	Riboflavin, mg	0.73	0.26
DHA, mg	180	64.3	Vit. B ₆ , mg	0.73	0.26
Carbohydrate, g (flavors)	43.2 (41.2)	15.4 (14.7)	Vit. B ₁₂ , mcg	1.3	0.46
Of which Fiber, g	11.2	4	Niacin, mg (NE)	9	3.2
Soluble	8	2.9	Folic Acid, mg	210	75
Insoluble	3.2	1.1	Pantothenic Acid, mg	4.2	1.5
Amino Acids, g			Biotin, mcg	11.2	4
L-Alanine	4.76	1.7	Vitamin C, mg	42	15
L-Arginine	1.74	0.62	Choline, mg	224	80
L-Aspartic Acid	0.42	0.15	Inositol, mg	56	20
L-Cystine	1.9	0.68	Minerals		
L-Glutamine	3.36	1.2	Calcium, mg	980	350
Glycine	4.59	1.6	Phosphorus, mg	641	228.9
L-Histidine	0.7	0.25	Magnesium, mg	113	40.4
L-Isoleucine	1.4	0.50	Iron, mg	10	3.6
L-Leucine	2.24	0.80	Zinc, mg	4.9	1.75
L-Lysine	1.85	0.66	Manganese, mcg	920	328.6
L-Methionine	0.73	0.26	Copper, mcg	560	200
L-Phenylalanine	Nil Added	Nil Added	Iodine, mcg	139	49.6
L-Proline	2.24	0.80	Molybdenum, mcg	25.5	9.1
L-Serine	1.2	0.43	Chromium, mcg	10.2	3.6
L-Threonine	2.52	0.90	Selenium, mcg	28.2	10.1
L-Tryptophan	0.42	0.15	Sodium, mg	280	100
L-Tyrosine	2.66	1.0	Potassium, mg	445	158.9
L-Valine	1.68	0.60	Chloride, mg	406	145
L-Carnitine	0.02	0.01			
Taurine	0.05	0.02			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Canola, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Sunflower), L-Alanine, Glycine, Fructo-oligosaccharides, L-Glutamine, Inulin, Corn Starch, L-Tyrosine, Calcium Phosphate Dibasic, L-Lysine Acetate, L-Threonine, Microcrystalline Cellulose, L-Leucine, L-Proline, Artificial Flavor, Gum Arabic, L-Cystine, L-Arginine, L-Valine, L-Isoleucine, Tripotassium Citrate, Trisodium Citrate, L-Serine, Calcium Chloride, L-Methionine, L-Histidine, Maltodextrin, Choline Bitartrate, Magnesium Hydrogen Phosphate, Magnesium L-Aspartate, CAEM (an emulsifier), C. Cohnii Oil*, L-Tryptophan, Tricalcium Citrate, L-Ascorbic Acid, Soy Fiber, M-Inositol, Taurine, Ferrous Sulfate, Sunflower Lecithin, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Niacinamide, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Ascorbyl Palmitate, Folic Acid, Potassium Iodide, Mixed Tocopherols, Sodium Molybdate, Sodium Selenite, Chromium Chloride, DL-alpha Tocopherol, Vitamin D3, Phylloquinone, D-Biotin, Cyanocobalamin

Berry version also contains: Natural Flavor, Malic Acid, Artificial Sweetener: Sucralose, Artificial Color (Beet Red).

Vanilla version also contains: Artificial Sweetener: Sucralose.

Orange version also contains: Citric Acid, Natural Flavor, Artificial Sweetener: Sucralose, Artificial Colors (Beta Carotene, Beet Red).

CONTAINS: Soy, Coconut.

*A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)



Periflex® Advance

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, fat, vitamins, minerals and trace elements
- Contains a 4:1 ratio of omega-6 to omega-3 fatty acids
- Periflex Advance provides 35 g of protein equivalent and 12.6 g of fat per 100 g of powder
- Meets protein requirements in lower volume
- Pleasant taste, smell and texture
- Available in unflavored and orange
- Osmolality (mOsm/kg):

Dilution	Unflavored	Orange
1 to 5	830	890
1 to 4	1060	1100
- Displacement: 0.6 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
118305 - Unflavored	49735-0183-05	B4157 or B4162	6 x 454 g (1 lb)	1748
118307 - Orange	49735-0183-07	B4157 or B4162	6 x 454 g (1 lb)	1675

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

NEW LOOK
SUMMER
2016

Nutrition Information:

Nutrients	Per 100 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories (orange)	385 (369)	110 (105.4)	Vitamin A, IU (mcg R.E.)	1951 (586)	557.4 (167.4)
Protein Equivalent, g	35	10	Vitamin D ₃ , IU (mcg)	292 (7.3)	83.4 (2.1)
Fat, g	12.6	3.6	Vitamin E, IU (mg α T.E.)	16.2 (10.9)	4.6 (3.1)
Saturated, g	1.4	0.4	Vitamin K, mcg	71.8	20.5
Monounsaturated, g	7.9	2.3	Thiamin, mg	0.8	0.2
Polyunsaturated, g	2.7	0.8	Riboflavin, mg	0.85	0.2
Linoleic Acid, mg	2064	590	Vitamin B ₆ , mg	1.4	0.4
α-Linolenic Acid, mg	535	153	Vitamin B ₁₂ , mcg	2.7	0.8
Carbohydrate, g (orange)	33 (29)	9.4 (8.3)	Niacin, mg	5	1.4
Amino Acids, g			Folic Acid, mcg	430	122.9
L-Alanine	1.4	0.40	Pantothenic Acid, mg	4.3	1.2
L-Arginine	2.6	0.74	Biotin, mcg	21.4	6.1
L-Aspartic Acid	2.5	0.71	Vitamin C, mg	54.3	15.5
L-Cystine	0.96	0.27	Choline, mg	376	107.4
Glycine	2.5	0.71	Inositol, mg	70	20
L-Histidine	1.5	0.43	Minerals		
L-Isoleucine	2.4	0.69	Calcium, mg	1035	296
L-Leucine	4.0	1.14	Phosphorus, mg	995	284
L-Lysine	3.1	0.89	Magnesium, mg	268	76.6
L-Methionine	0.64	0.18	Iron, mg	12.9	3.7
L-Phenylalanine	Nil Added	Nil Added	Zinc, mg	7.9	2.3
L-Proline	2.8	0.80	Manganese, mg	1.6	0.5
L-Serine	1.8	0.51	Copper, mcg	720	206
L-Threonine	1.9	0.54	Iodine, mcg	115	32.9
L-Tryptophan	0.78	0.22	Molybdenum, mcg	32.4	9.3
L-Tyrosine	3.5	1.00	Chromium, mcg	22.8	6.5
L-Valine	2.5	0.71	Selenium, mcg	50.8	14.5
L-Carnitine	0.03	0.01	Sodium, mg (mEq)	490 (21.3)	140 (6.1)
Taurine	0.12	0.03	Potassium, mg (mEq)	613 (15.7)	175.1 (4.5)
L-Glutamine	4.3	1.23	Chloride, mg (mEq)	490 (14)	140 (4.0)

Ingredients:

Corn Syrup Solids, High Oleic Safflower Oil, Canola Oil, L-Lysine, L-Aspartate, L-Glutamine, L-Leucine, L-Tyrosine, L-Proline, L-Arginine, L-Valine, Glycine, L-Isoleucine, Magnesium Hydrogen Phosphate, L-Threonine, and 2% or less of each of the following: L-Serine, Disodium Hydrogen Phosphate, L-Histidine, L-Alanine, Potassium Chloride, Choline Hydrogen Tartrate, L-Cystine, L-Tryptophan, Sugar, L-Methionine, Fractionated Coconut Oil, L-Lysine Acetate, CAEM (An Emulsifier), Tripotassium Citrate, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopherol Acetate, Manganese Sulfate, Niacinamide, Calcium D-Panthenate, Cupric Sulfate, Pyridoxine Hydrochloride, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

Unflavored version also contains: Tricalcium Citrate and 2% or less of Tricalcium Phosphate.

Orange flavored version also contains: Artificial Flavor, Citric Acid, Tricalcium Phosphate and 2% or less of each of the following: Tricalcium Citrate, Guar Gum, Xanthan Gum, Artificial Sweetener: Sucralose, Artificial Colors (Beet Red, Beta Carotene).

CONTAINS: Coconut.

* S9435 = For individuals who submit their bills to insurance on their own.



Periflex® LQ

A phenylalanine-free, ready-to-drink medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Contains a balanced mixture of other amino acids, carbohydrate, vitamins and minerals
- Can easily be used along with or in place of PKU Periflex Junior Plus or Advance
- No measuring or mixing
- Great addition to any daily PKU diet plan
- Periflex LQ provides 15 g of protein equivalent per 250 mL container
- Available in orange crème and berry crème flavors
- Osmolality (mOsm/kg):

Dilution	Orange	Berry
0.64 kcal/mL	1080	1030
- Free water: 84%

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Container
80177 - Orange Crème	49735-0125-51	B4162 or B4157	18 x 250 mL (8.5 fl oz)	160
80176 - Berry Crème	49735-0125-24	B4162 or B4157	18 x 250 mL (8.5 fl oz)	160

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 250 mL	Protein Equivalent		Per 250 mL	Protein Equivalent
Calories	160	107	Vitamin A, IU (mcg R.E.)	833 (250)	555 (167)
Protein Equivalent, g	15	10	Vitamin D, IU (mcg)	130 (3.3)	87 (2.2)
Fat, g	5	3.3	Vitamin E, IU (mg α T.E.)	7 (4.8)	4.7 (3.2)
Saturated, g	0.75	0.5	Vitamin K, mcg	30.8	21
Monounsaturated, g	3	2	Thiamin, mg	0.35	0.23
Polyunsaturated, g	1	0.7	Riboflavin, mg	0.38	0.25
Carbohydrate, g	13.8	9.2	Vitamin B ₆ , mg	0.6	0.4
Amino Acids, g			Vitamin B ₁₂ , mcg	1.2	0.8
L-Alanine	0.68	0.45	Niacin, mg	2.1	1.4
L-Arginine	1.28	0.85	Folic Acid, mcg	184	123
L-Aspartic Acid	1.2	0.80	Pantothenic Acid, mg	1.9	1.3
L-Cystine	0.48	0.32	Biotin, mcg	9.3	6.2
Glycine	1.23	0.82	Vitamin C, mg	23.3	16
L-Histidine	0.73	0.49	Choline, mg	161	107
L-Isoleucine	1.13	0.75	Inositol, mg	30	20
L-Leucine	1.95	1.30	Minerals		
L-Lysine	1.5	1.00	Calcium, mg	400	267
L-Methionine	0.33	0.22	Phosphorus, mg	288	192
L-Phenylalanine	Nil Added	Nil Added	Magnesium, mg	114	76
L-Proline	1.38	0.92	Iron, mg	5.5	3.7
L-Serine	0.85	0.57	Zinc, mg	3.5	2
L-Threonine	0.95	0.63	Manganese, mg	0.7	0.5
L-Tryptophan	0.38	0.25	Copper, mcg	310	207
L-Tyrosine	1.73	1.15	Iodine, mcg	49	33
L-Valine	1.25	0.83	Molybdenum, mcg	14	9
L-Carnitine	0.01	0.01	Chromium, mcg	9.8	7
Taurine	0.08	0.05	Selenium, mcg	21.8	15
L-Glutamine	Nil Added	Nil Added	Sodium, mg (mEq)	210 (9.3)	140 (6.2)
			Potassium, mg (mEq)	263 (6.8)	175 (4.5)
			Chloride, mg (mEq)	210 (6)	140 (4)

Ingredients:

Water, Sugar, and less than 2% of each of the following: Calcium Glycerophosphate, High Oleic Sunflower Oil, L-Lysine Acetate, Canola Oil, L-Leucine, L-Tyrosine, Artificial Flavor, L-Proline, L-Arginine, L-Valine, Glycine, L-Aspartic Acid, L-Isoleucine, Micro-Crystalline Cellulose, Citric Acid, L-Threonine, L-Serine, Magnesium Acetate, Tripotassium Citrate, L-Histidine, L-Alanine, L-Cystine, Choline Hydrogen Tartrate, N-Acetyl, L-Methionine, Sodium Chloride, L-Tryptophan, Trisodium Citrate, Soybean Oil, L-Ascorbic Acid, Diacetyl Tartaric Acid Esters of Monoglycerides, Mono- and Diglycerides, Guar Gum, Xanthan Gum, Artificial Sweetener: Acesulfame Potassium, Taurine, M-Inositol, Ferrous Sulphate, Tricalcium Phosphate, Carnitine, Zinc Sulfate, DL-Alpha Tocopherol Acetate, Niacinamide, Manganese Sulphate, Calcium-D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Pylloquinone, D-Biotin, Cholecalciferol, Folic Acid, Cyanocobalamin.

CONTAINS: Soy.



PhenylAde™ GMP Drink Mix

A phenylalanine-low, vanilla-flavored powdered formula containing a balanced mix of glycomacropeptide (GMP), essential and non-essential amino acids, carbohydrates (including fiber), fat (including docosahexaenoic acid (DHA)), vitamins, minerals and trace elements.

Main Features:

- Low in Phenylalanine
- Suitable for individuals with PKU over 1 year of age
- Complete with essential vitamins and minerals
- Contains a source of DHA
- 1.5 grams of soluble fiber per each 10 g PE serving
- PhenylAde GMP Drink Mix provides 30 g of protein equivalent and 12 g of fat per 100 g of powder
- Available in vanilla flavor
- Available in cans and pouches
- Osmolality (mOsm/kg): 460 Based on standard dilution of 33.3 g powder to 5 fl oz water (150 mL)
- Displacement: 0.9 mL/g

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can/Pouch
CANS				
6832 - Vanilla	49735-0168-32	B4157 or B4162	4 x 400 g (14.1 oz)	1584
POUCHES				
68324 - Vanilla	49735-0183-04	B4157 or B4162	16 x 33.3 g (1.2 oz)	132

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10g Protein Equivalent		Vitamins	Per 10g Protein Equivalent	
	Per 100 g	(1 scoop/pouch)		Per 100 g	(1 scoop/pouch)
Calories	396	132	Vitamin A, IU (mcg R.E.)	2040 (765)	680 (255)
Protein Equivalent, g	30.0	10.0	Vitamin D, IU (mcg)	900 (22.5)	300 (7.5)
Phenylalanine, mg	46.0	15.3	Vitamin E, IU (mg α T.E.)	22.8 (15.3)	7.6 (5.1)
Fat, g	12.0	4.0	Vitamin K, mcg	72	24
DHA, mg	155	51.6	Thiamin, mg	1.8	0.6
Carbohydrate, g	42.0	14.0	Riboflavin, mg	1.8	0.6
Soluble Fiber, g	4.5	1.5	Vitamin B ₆ , mg	1.7	0.56
Amino Acids, g			Vitamin B ₁₂ , mcg	3.6	1.2
L-Alanine	1.3	0.44	Niacin, mg	15.0	5.0
L-Arginine	1.4	0.47	Folic Acid, mcg	360	120
L-Aspartic acid	1.9	0.63	Pantothenic Acid, mg	4.8	1.6
L-Cystine	0.93	0.31	Biotin, mcg	36	12
L-Glutamic acid	4.1	1.4	Vitamin C, mg	72	24
L-Glycine	2.2	0.75	Choline, mg	300	100
L-Histidine	1.5	0.49	Inositol, mg	60	20
L-Isoleucine	2.3	0.76	Minerals		
L-Leucine	2.3	0.78	Calcium, mg	1050	350
L-Lysine	1.3	0.44	Phosphorus, mg	945	315
L-Methionine	0.44	0.15	Magnesium, mg	252	84
L-Phenylalanine	0.05	0.02	Iron, mg	13.2	4.4
L-Proline	2.6	0.86	Zinc, mg	10.2	3.4
L-Serine	1.6	0.54	Manganese, mg	1.6	0.52
L-Threonine	3.7	1.2	Copper, mcg	1200	400
L-Tryptophan	0.72	0.24	Iodine, mcg	135	45
L-Tyrosine	3.7	1.2	Molybdenum, mcg	54	18
L-Valine	1.8	0.61	Chromium, mcg	36	12
L-Carnitine	0.04	0.01	Selenium, mcg	48	16
Taurine	0.09	0.03	Sodium, mg	465	155
			Potassium, mg	1047	349
			Chloride, mg	569	190

Ingredients:

Why Protein Concentrate (FROM MILK), Sugar, Refined Vegetable Oils (Canola, Safflower, Coconut and Soybean), Modified Corn Starch, Dextrin, Maltodextrin, L-Tyrosine, Tricalcium Phosphate, Natural and Artificial Flavors. Contains 2% or less of the following: L-Glycine, Magnesium Phosphate, L-Leucine, L-Histidine, L-Arginine, Potassium Chloride, L-Cystine, Choline Bitartrate, Dicalcium Phosphate, L-Tryptophan, C. Cohnii Oil, Glucose Syrup Solids, Potassium Citrate, Ascorbyl Palmitate, Mixed Tocopherols, Silica, Rosemary Extract, Sodium Chloride, Ascorbic Acid, Taurine, Inositol, Mannitol, Vitamin E Acetate, Ferrous Sulfate, L-Carnitine, Glycerol Mono and Distearate, High Oleic Sunflower Oil, Sodium Polyphosphate, Sunflower Lecithin, Niacinamide, Zinc Oxide, Sodium Ascorbate, Vitamin D3, Vitamin A Palmitate, Copper Gluconate, Manganese Sulfate, D-Calcium Pantothenate, D-Biotin, Beta-Carotene, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Potassium Iodide, Vitamin K1, Sodium Selenite, Folic Acid, Vitamin B12, Chromium Chloride and Sodium Molybdate.

*Contains 15.3 mg of phenylalanine/10 g protein equivalent

**A source of docosahexaenoic acid (DHA)

CONTAINS: Milk, Coconut, Soy.



PhenylAde™ Essential Drink Mix

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Complete with essential vitamins and minerals
- Contains a 4:1 ratio of omega-6 to omega-3 fatty acids
- 1.5 grams of soluble fiber per serving
- PhenylAde Essential Drink Mix provides 25 g of protein equivalent and 13 g of fat per 100 g of powder
- Available in chocolate, vanilla, orange creme, strawberry, and unflavored
- Available in cans and pouches
- Osmolality (mOsm/kg): 800
Based on standard dilution of 40 g powder to 7 fl oz water (210 mL)
- Displacement: 0.75 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can/Pouch
CANS				
9501 - Chocolate	00847-0950-12	B4157 or B4162	4 x 454 g (1 lb)	1784
9502 - Vanilla	00847-0950-22	B4157 or B4162	4 x 454 g (1 lb)	1784
9503 - Orange Creme	00847-0950-32	B4157 or B4162	4 x 454 g (1 lb)	1784
9504 - Strawberry	00847-0950-42	B4157 or B4162	4 x 454 g (1 lb)	1784
9508 - Unflavored	00847-0950-82	B4157 or B4162	4 x 454 g (1 lb)	1784
POUCHES				
95014 - Chocolate	00847-0950-14	B4157 or B4162	16 x 40 g (1.4 oz)	157
95024 - Vanilla	00847-0950-24	B4157 or B4162	16 x 40 g (1.4 oz)	157
95034 - Orange Creme	00847-0950-34	B4157 or B4162	16 x 40 g (1.4 oz)	157
95044 - Strawberry	00847-0950-44	B4157 or B4162	16 x 40 g (1.4 oz)	157
95084 - Unflavored	00847-0950-84	B4157 or B4162	16 x 40 g (1.4 oz)	157

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent (1 scoop/pouch)		Vitamins	Per 10 g Protein Equivalent (1 scoop/pouch)	
	Per 100 g	Per 100 g		Per 100 g	Per 100 g
Calories	393	157	Vitamin A, IU (mcg R.E.) (25% as beta-carotene)	1700 (637)	680 (255)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	600 (15)	240 (6)
Carbohydrate, g	46	18	Vitamin E, IU (mg α T.E.)	19 (12.7)	7.6 (5.1)
Soluble Fiber, g	3.9	1.5	Vitamin K, mcg	61	24
Fat, g	13	5	Thiamin, mg	1.5	0.6
Saturated Fat, g	2.5	1	Riboflavin, mg	1.5	0.6
Monounsaturated Fat, g	7.9	3.1	Vitamin B ₆ , mg	1.4	0.56
Polyunsaturated Fat, g	2.7	1.1	Vitamin B ₁₂ , mcg	3.0	1.2
Linoleic Acid, mg	2178	871	Niacin, mg	17	6.8
α-Linolenic Acid, mg	545	218	Folic Acid, mcg	300	120
Amino Acids, g			Pantothenic Acid, mg	4	1.6
L-Alanine	2.32	0.93	Biotin, mcg	30	12
L-Arginine	1.97	0.79	Vitamin C, mg	60	24
L-Asparagine	3.49	1.40	Choline, mg	210	84
L-Cystine	0.34	0.14	Inositol, mg	50	20
L-Glutamine	3.89	1.56	Minerals		
Glycine	1.52	0.61	Calcium, mg	822	329
L-Histidine	0.63	0.25	Phosphorus, mg	788	315
L-Isoleucine	1.04	0.42	Magnesium, mg	210	84
L-Leucine	2.24	0.90	Iron, mg	11	4.4
L-Lysine	1.82	0.73	Zinc, mg	10	4
L-Methionine	0.61	0.24	Manganese, mg	1.3	0.52
L-Phenylalanine	Nil Added	Nil Added	Copper, mg	1	0.4
L-Proline	1.52	0.61	Iodine, mcg	100	40
L-Serine	2.24	0.90	Molybdenum, mcg	45	18
L-Threonine	1.15	0.46	Chromium, mcg	30	12
L-Tryptophan	0.58	0.23	Selenium, mcg	40	16
L-Tyrosine	2.69	1.08	Sodium, mg	388	155
L-Valine	1.7	0.67	Potassium, mg	872	349
L-Carnitine	0.04	0.01	Chloride, mg	475	190
Taurine	0.08	0.03			

Ingredients:

Sugar¹, Modified Food Starch, Canola Oil, Maltodextrin, Safflower Oil, Dextrin, L-Asparagine Monohydrate, L-Glutamine, L-Tyrosine, Natural and Artificial Flavor, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, Monocalcium Phosphate, Corn Syrup Solids, L-Valine, Dicalcium Phosphate, Sodium Citrate, Glycine, L-Proline, Potassium Citrate, Coconut Oil, Soybean Oil, L-Threonine, L-Isoleucine, Potassium Chloride, L-Histidine, L-Methionine, Choline Bitartrate, L-Tryptophan, Flaxseed Oil, Magnesium Oxide, L-Cystine, Titanium Dioxide (Vanilla Flavored), Ascorbyl Palmitate, Mixed Tocopherols, Rosemary Extract, Silicon Dioxide, Tricalcium Phosphate, Sodium Chloride, Taurine, Ascorbic Acid, Inositol, Ferric Orthophosphate, Vitamin E Acetate, L-Carnitine, Niacinamide, Calcium Phosphate, Zinc Oxide, Copper Gluconate, Vitamin K₁, Vitamin D₃, Vitamin A Palmitate, D-Calcium Pantothenate, Manganese Sulfate, Mono- and Diglycerides, D-Biotin, Beta-Carotene, Pyridoxine Hydrochloride, Riboflavin, Thiamin Mononitrate, Potassium Iodide, Sodium Selenite, Folic Acid, Vitamin B₁₂, Chromium Chloride, Sodium Molybdate, FD&C Yellow #6 (Orange Creme Flavored), FD&C Red #40 (Chocolate, Strawberry Flavored), FD&C Blue #1 (Strawberry Flavored), FD&C Blue #2 and Yellow #5 (Chocolate Flavored).

CONTAINS: Coconut, Soy.

¹Unflavored contains corn syrup solids instead of sugar.



PhenylAde™ 40 Drink Mix

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Complete with essential vitamins and minerals
- Only 0.5 gram of fat and 83 calories per serving
- PhenylAde40 Drink Mix provides 40 g of protein equivalent per 100 g of powder
- Available in citrus and unflavored single serve pouches
- Osmolality (mOsm/kg): 1110
Based on standard dilution of 25 g powder to 4 fl oz water (120 mL)
- Displacement: 0.48 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Pouch
95404 - Unflavored	00847-0954-04	B4157 or B4162	20 x 25 g (0.88 oz)	83
95414 - Citrus	00847-0954-14	B4157 or B4162	20 x 25 g (0.88 oz)	83

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent (1 pouch)		Vitamins	Per 10 g Protein Equivalent (1 pouch)	
	Per 100 g	Per 100 g		Per 100 g	Per 100 g
Calories	330	83	Vitamin A, IU (mcg R.E.) (25% as beta-carotene)	1557 (584)	389 (146)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	347 (8.7)	87 (2.2)
Carbohydrate, g	38	9.5	Vitamin E, IU (mg α T.E.)	15.4 (10.3)	3.9 (2.6)
Fat, g	2	0.5	Vitamin K, mcg	60	15
Saturated Fat, g	0.32	0.08	Thiamin, mg	1.4	0.35
Monounsaturated Fat, g	1.2	0.31	Riboflavin, mg	1.3	0.32
Polyunsaturated Fat, g	0.42	0.11	Vitamin B ₆ , mg	1.5	0.38
Amino Acids, g			Vitamin B ₁₂ , mcg	2.8	0.7
L-Alanine	3.85	0.96	Niacin, mg	16.4	4.1
L-Arginine	3.27	0.82	Folic Acid, mcg	468	117
L-Asparagine	5.04	1.26	Pantothenic Acid, mg	5.8	1.5
L-Cystine	0.55	0.14	Biotin, mcg	35	8.8
L-Glutamine	6.34	1.59	Vitamin C, mg	75	18.9
Glycine	2.47	0.62	Choline, mg	284	71
L-Histidine	1.02	0.26	Inositol, mg	86	22
L-Isoleucine	1.64	0.41	Minerals		
L-Leucine	3.64	0.91	Calcium, mg	894	224
L-Lysine	2.98	0.75	Phosphorus, mg	809	202
L-Methionine	1.08	0.27	Magnesium, mg	209	52
L-Phenylalanine	Nil Added	Nil Added	Iron, mg	12	3
L-Proline	2.47	0.62	Zinc, mg	8	2
L-Serine	4.08	1.02	Manganese, mg	1.8	0.45
L-Threonine	1.92	0.48	Copper, mg	0.87	0.22
L-Tryptophan	0.61	0.15	Iodine, mcg	133	33
L-Tyrosine	3.78	0.95	Molybdenum, mcg	40	10
L-Valine	2.74	0.69	Chromium, mcg	27	6.7
L-Carnitine	0.06	0.01	Selenium, mcg	56	13.9
Taurine	0.12	0.03	Sodium, mg	424	106
			Potassium, mg	776	194
			Chloride, mg	1322	331

Ingredients:

Corn Syrup Solids, Sugar, L-Glutamine, L-Asparagine Monohydrate, L-Serine, L-Alanine, L-Tyrosine, L-Lysine Monohydrochloride, L-Leucine, L-Arginine, L-Valine, Citric Acid (Citrus Flavored), Tricalcium Phosphate, Glycine, L-Proline, Natural Flavor (Citrus Flavored), L-Threonine, L-Isoleucine, Magnesium Phosphate, L-Methionine, Sodium Citrate, L-Histidine, Dipotassium Phosphate, Modified Food Starch, Canola Oil, Maltodextrin, Safflower Oil, Choline Bitartrate, Potassium Chloride, L-Tryptophan, L-Cystine, Sodium Chloride, Coconut Oil, Soybean Oil, Taurine, Silicon Dioxide, Inositol, Ascorbic Acid, L-Carnitine, Ascorbyl Palmitate, Mixed Tocopherols, Rosemary Extract, Ferric Orthophosphate, Vitamin E Acetate, Zinc Sulfate, Niacinamide, Sucralose, D-Calcium Pantothenate, Vitamin K₁, Manganese Sulfate, Vitamin A Palmitate, D-Biotin, Vitamin D₃, Beta-carotene, Copper Sulfate, Pyridoxine Hydrochloride, Potassium Iodide, Thiamin Mononitrate, Riboflavin, FD&C Yellow #5 (Citrus Flavored), Sodium Selenite, Folic Acid, Vitamin B₁₂, Chromium Chloride and Sodium Molybdate.

CONTAINS: Coconut, Soy.



PhenylAde™ 60 Drink Mix

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Complete with essential vitamins and minerals
- Only 49 calories per serving
- PhenylAde60 Drink Mix provides 60 g of protein equivalent per 100 g of powder
- Available in vanilla and unflavored
- Available in cans or single serve pouches
- Osmolality (mOsm/kg): 1256 Based on standard dilution of 16.7 g powder to 3 fl oz (90 mL) water
- Displacement: 0.54 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can/Pouch
CANS				
9560 - Unflavored	00847-0956-02	B4157 or B4162	4 x 454 g (1 lb)	1335
9562 - Vanilla	00847-0956-22	B4157 or B4162	4 x 454 g (1 lb)	1335
POUCHES				
95604 - Unflavored	00847-0956-04	B4157 or B4162	30 x 16.7 g (0.59 oz)	49
95624 - Vanilla	00847-0956-24	B4157 or B4162	30 x 16.7 g (0.59 oz)	49

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent (1 scoop/pouch)		Vitamins	Per 10 g Protein Equivalent (1 scoop/pouch)	
	Per 100 g	Per 100 g		Per 100 g	Per 100 g
Calories	294	49	Vitamin A, IU (mcg R.E.) (25% as beta-carotene)	2331 (874)	389 (146)
Protein Equivalent, g	60	10	Vitamin D, IU (mcg)	520 (13)	87 (2.2)
Carbohydrate, g	11	2	Vitamin E, IU (mg α T.E.)	23 (15.4)	3.8 (2.6)
Fat, g	1	0.17	Vitamin K, mcg	90	15
Saturated Fat, g	<0.5	<0.1	Thiamin, mg	2.1	0.35
Monounsaturated Fat, g	<0.5	<0.1	Riboflavin, mg	1.9	0.32
Polyunsaturated Fat, g	<0.5	<0.1	Vitamin B ₆ , mg	2.3	0.38
Amino Acids, g					
L-Alanine	5.56	0.93	Vitamin B ₁₂ , mcg	4.2	0.7
L-Arginine	4.72	0.79	Niacin, mg	25	4.1
L-Asparagine	8.36	1.39	Folic Acid, mcg	700	117
L-Cystine	0.81	0.13	Pantothenic Acid, mg	8.7	1.5
L-Glutamine	9.31	1.55	Biotin, mcg	53	8.8
Glycine	3.63	0.61	Vitamin C, mg	113	19
L-Histidine	1.51	0.25	Choline, mg	425	71
L-Isoleucine	2.49	0.42	Inositol, mg	129	22
L-Leucine	5.37	0.90	Minerals		
L-Lysine	4.36	0.73	Calcium, mg	1300	217
L-Methionine	1.45	0.24	Phosphorus, mg	1194	199
L-Phenylalanine	Nil Added	Nil Added	Magnesium, mg	310	52
L-Proline	3.63	0.61	Iron, mg	18	3
L-Serine	5.37	0.90	Zinc, mg	12	2
L-Threonine	2.76	0.46	Manganese, mg	2.7	0.45
L-Tryptophan	1.38	0.23	Copper, mg	1.3	0.22
L-Tyrosine	6.45	1.08	Iodine, mcg	180	30
L-Valine	4.01	0.67	Molybdenum, mcg	60	10
L-Carnitine	0.09	0.01	Chromium, mcg	40	6.7
Taurine	0.18	0.03	Selenium, mcg	83	14
			Sodium, mg	600	100
			Potassium, mg	1162	194
			Chloride, mg	900	150

Ingredients:

L-Asparagine Monohydrate, L-Glutamine, Sugar, L-Tyrosine, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, L-Valine, Tricalcium Phosphate, Glycine, L-Proline, L-Threonine, Natural and Artificial Flavor (Vanilla Flavored), L-Isoleucine, Magnesium Phosphate, Sodium Citrate, L-Histidine, L-Methionine, L-Tryptophan, Dipotassium Phosphate, Potassium Chloride, Choline Bitartrate, Soy Lecithin, L-Cystine, Sodium Chloride, Taurine, Ascorbic Acid, Inositol, Silicon Dioxide, L-Carnitine, Ferric Orthophosphate, Sucralose, Vitamin E Acetate, Zinc Sulfate, Niacinamide, D-Calcium Pantothenate, Vitamin K₁, Manganese Sulfate, Vitamin A Palmitate, D-Biotin, Vitamin D₃, Beta-carotene, Copper Sulfate, Pyridoxine Hydrochloride, Potassium Iodide, Thiamin Mononitrate, Riboflavin, Sodium Selenite, Folic Acid, Vitamin B₁₂, Chromium Chloride and Sodium Molybdate.

Unflavored also contains: Corn Syrup Solids, Modified Food Starch, Canola Oil, Maltodextrin, Safflower Oil, Coconut Oil, Soybean Oil, Ascorbyl Palmitate, Mixed Tocopherols and Rosemary Extract.

CONTAINS: Coconut, Soy.



PhenylAde™ MTE Amino Acid Blend

A phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Only 40 calories per serving
- 100 g of powder provides 78 g of protein equivalent
- PhenylAde MTE Amino Acid Blend contains added calcium, phosphorus, magnesium, chromium, molybdenum, and selenium
- Available in cans and single-serve pouches
- Displacement: 0.47 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can/Pouch
CANS				
9596 - MTE	00847-0959-60	B4155	4 x 454 g (1 lb)	1421
POUCHES				
95964 - MTE	00847-0959-64	B4155	30 x 12.8 g (0.45 oz)	40

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 10g Protein
		Equivalent (1 scoop/pouch)
Calories	312	40
Protein Equivalent, g	78	10
Carbohydrate, g	0	0
Fat, g	0	0
Amino Acids, g		
L-Alanine	7.23	0.93
L-Arginine	6.13	0.79
L-Asparagine	10.87	1.40
L-Cystine	1.05	0.14
L-Glutamine	12.11	1.55
Glycine	4.72	0.61
L-Histidine	1.96	0.25
L-Isoleucine	3.24	0.42
L-Leucine	6.98	0.90
L-Lysine	5.67	0.73
L-Methionine	1.89	0.24
L-Phenylalanine	Nil Added	Nil Added
L-Proline	4.72	0.61
L-Serine	6.98	0.90
L-Threonine	3.59	0.46
L-Tryptophan	1.79	0.23
L-Tyrosine	8.39	1.08
L-Valine	5.22	0.67
L-Carnitine	0.11	0.01
Taurine	0.24	0.03
Minerals		
Calcium, mg	570	73
Chloride, mg	Trace	Trace
Chromium, mcg	23	3
Magnesium, mg	123	15.8
Molybdenum, mcg	23	3
Phosphorus, mg	570	73
Sodium, mg	Trace	Trace
Selenium, mcg	26	3.3

Ingredients:

MTE Amino Acid Blend: L-Asparagine Monohydrate, L-Glutamine, L-Tyrosine, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, L-Valine, Glycine, L-Proline, L-Threonine, L-Isoleucine, Dicalcium Phosphate, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine, Magnesium Phosphate (Dibasic), Silicon Dioxide, Taurine, L-Carnitine, Calcium Citrate, Chromium Chloride, Sodium Selenite, Sodium Molybdate.

Note: Must be combined with an appropriate vitamin & mineral supplement when taken as the sole source of amino acid protein.



PhenylAde™ Amino Acid Bars

A phenylalanine-free** medical food for the for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free**
- Available in chocolate, chocolate crispy, and white chocolate flavors (naturally and artificially flavored)
- PhenylAde Amino Acid Bar provides 10 g of protein equivalent per bar

Indications:

- Phenylketonuria

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Bar
9570	00847-0957-06	A9270	12 x 47 g (1.66 oz)	265
White Chocolate				
9580	00847-0958-06	A9270	12 x 47 g (1.66 oz)	255
Chocolate Crispy				
9590	00847-0959-06	A9270	12 x 47 g (1.66 oz)	265
Chocolate				

* S9435 = For individuals who submit their bills to insurance on their own.

**Crisp rice adds a small amount of whole protein, including PHE.

Nutrition Information:

Chocolate, White Chocolate

Nutrients	Per 100 g	Per 10 g Protein Equivalent (1 bar)
Calories	564	265
Protein Equivalent, g	21	10
Carbohydrate, g	34	16
Sugars, g	33	15
Fat, g	38	18
Saturated Fat, g	33	15.5
Trans Fat, g	0	0
Monounsaturated Fat, g	4.7	2.2
Polyunsaturated Fat, g	0.76	0.36

Amino Acids, g

L-Alanine	1.98	0.93
L-Arginine	1.68	0.79
L-Asparagine	2.97	1.40
L-Cystine	0.29	0.14
L-Glutamine	3.31	1.55
Glycine	1.29	0.61
L-Histidine	0.54	0.25
L-Isoleucine	0.89	0.42
L-Leucine	1.91	0.90
L-Lysine	1.55	0.73
L-Methionine	0.52	0.24
L-Phenylalanine	Nil Added	Nil Added
L-Proline	1.29	0.61
L-Serine	1.91	0.90
L-Threonine	0.98	0.46
L-Tryptophan	0.49	0.23
L-Tyrosine	2.29	1.08
L-Valine	1.42	0.67
L-Carnitine	0.03	0.01
Taurine	0.06	0.03

Chocolate Crispy

Nutrients	Per 100 g	Per 10 g Protein Equivalent (1 bar)
Calories	541	255
Protein Equivalent, g	21	10
Carbohydrate, g	37	17
Sugars, g	31	14
Fat, g	34	16
Saturated Fat, g	30	14
Trans Fat, g	0	0
Monounsaturated Fat, g	3.7	1.7
Polyunsaturated Fat, g	0.67	0.31

Amino Acids, g

L-Alanine	2.0	0.94
L-Arginine	1.70	0.80
L-Asparagine	2.97	1.40
Aspartic Acid	0.03	0.02
L-Cystine	0.29	0.14
Glutamic Acid	0.07	0.03
L-Glutamine	3.31	1.55
Glycine	1.31	0.61
L-Histidine	0.55	0.26
L-Isoleucine	0.90	0.42
L-Leucine	1.94	0.91
L-Lysine	1.55	0.73
L-Methionine	0.52	0.25
L-Phenylalanine	0.02	0.01
L-Proline	1.31	0.61
L-Serine	1.93	0.91
L-Threonine	0.99	0.47
L-Tryptophan	0.50	0.23
L-Tyrosine	2.31	1.08
L-Valine	1.45	0.68
L-Carnitine	0.03	0.01
Taurine	0.06	0.03

Ingredients:

Chocolate Flavored Ingredients:

Sugar, Palm Kernel Oil, Amino Acids (L-Asparagine Monohydrate, L-Glutamine, L-Tyrosine, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, L-Valine, Glycine, L-Proline, L-Threonine, L-Isoleucine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Palm Oil, Cocoa Butter, Natural and Artificial Flavor, Artificial Color (Red 40 Lake, Yellow 6 Lake, Blue 1 Lake), Soy Lecithin (Emulsifier), Taurine, L-Carnitine.

White Chocolate Flavored Ingredients:

Sugar, Palm Kernel Oil, Amino Acids (L-Asparagine Monohydrate, L-Glutamine, L-Tyrosine, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, L-Valine, Glycine, L-Proline, L-Threonine, L-Isoleucine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Palm Oil, Cocoa Butter, Natural and Artificial Flavor, Soy Lecithin (Emulsifier), Taurine, L-Carnitine.

Chocolate Flavored Crispy Ingredients:

Sugar, Palm Kernel Oil, Amino Acids (L-Asparagine Monohydrate, L-Glutamine, L-Tyrosine, L-Lysine Acetate, L-Alanine, L-Leucine, L-Serine, L-Arginine, L-Valine, Glycine, L-Proline, L-Threonine, L-Isoleucine, L-Histidine, L-Methionine, L-Tryptophan, L-Cystine), Crisp Rice, Palm Oil, Cocoa Butter, Natural and Artificial Flavor, Artificial Color (Red 40 Lake, Yellow 6 Lake, Blue 1 Lake), Soy Lecithin (Emulsifier), Taurine, L-Carnitine.

CONTAINS: Soy.

Note: Must combine with an appropriate vitamin & mineral supplement when taken as the sole source of amino acid protein.



PhenylAde™ PheBLOC™ LNAa

A phenylalanine-free medical food containing the remaining essential amino acids (large neutral amino acids and lysine) for the dietary management of phenylketonuria (PKU) in individuals over 12 years of age.

Main Features:

- Phenylalanine-free
- Provides full compliment of essential amino acids (without phenylalanine)
- Simplifies diet management
- Available in tablets or powder

Indications:

- Phenylketonuria

Precautions:

- Not for use when planning or during pregnancy
- Seek medical advice before using with serotonergic medications

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories
TABLETS				
95501	00847-0955-01	A9270	550 x 750 mg (0.03 oz)	1650/pack
POUCHES				
95504	00847-0955-04	A9270	110 x 3 g (0.11 oz)	1100/case

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per Tablet (750mg)	Per 5 Tablets (3,750mg)	Per 10 Tablets (7,500mg)
Calories	3	15	30
Protein Equivalent, g	0.44	2.2	4.4
Carbohydrate, g	0.2	1	2
Fat, g	0.02	0.1	0.2
Minerals			
Calcium, mg	43.5	218	435
Sodium, mg	0.82	4.1	8.2
Chloride, mg	5.5	28	55
Amino Acids, g			
L-Arginine	0.03	0.17	0.34
L-Histidine	0.03	0.16	0.31
L-Isoleucine	0.03	0.16	0.32
L-Leucine	0.03	0.15	0.31
L-Lysine	0.02	0.12	0.23
L-Methionine	0.05	0.25	0.50
L-Phenylalanine	Nil Added	Nil Added	Nil Added
L-Threonine	0.03	0.16	0.33
L-Tryptophan	0.06	0.31	0.61
L-Tyrosine	0.20	0.98	1.97
L-Valine	0.03	0.16	0.32

Nutrients	Per Pouch (3g Powder)	Per 2 Pouches (6g Powder)
Calories	10	20
Protein Equivalent, g	2.2	4.4
Carbohydrate, g	0.34	0.68
Fat, g	0	0
Minerals		
Sodium, mg	Trace	Trace
Chloride, mg	28	56
Amino Acids, g		
L-Arginine	0.17	0.34
L-Histidine	0.16	0.31
L-Isoleucine	0.16	0.32
L-Leucine	0.15	0.31
L-Lysine	0.12	0.23
L-Methionine	0.25	0.50
L-Phenylalanine	Nil Added	Nil Added
L-Threonine	0.16	0.33
L-Tryptophan	0.31	0.61
L-Tyrosine	0.98	1.97
L-Valine	0.16	0.32

Ingredients:

Tablet Ingredients:

L-Tyrosine, Calcium Carbonate, L-Tryptophan, L-Methionine, Microcrystalline Cellulose, L-Arginine, L-Threonine, L-Valine, L-Isoleucine, L-Histidine, L-Leucine, L-Lysine Monohydrochloride, Hydroxypropyl Methylcellulose, Stearic Acid, Croscarmellose Sodium, Magnesium Stearate and Silicon Dioxide.

Powder Ingredients:

L-Tyrosine, Maltodextrin, L-Tryptophan, L-Methionine, L-Arginine, L-Threonine, L-Valine, L-Isoleucine, L-Histidine, L-Leucine and L-Lysine Monohydrochloride

Visit NutriciaLearningCenter.com for guidelines on the usage of large neutral amino acids



Lanaflex[®]

A phenylalanine-free powdered medical food containing the remaining essential amino acids (large neutral amino acids and lysine) for the dietary management of phenylketonuria (PKU) in individuals over 12 years of age.

Main Features:

- Phenylalanine-free
- Contains lysine and other large neutral amino acids
- Contains carbohydrate, vitamins, minerals and trace elements
- One sachet of Lanaflex provides 6 g of amino acids equivalent to 5.2 g of protein
- Available in orange flavor
- Osmolality (at a 1 to 4 dilution): 1350 mOsm/kg

Visit NutriciaLearningCenter.com for guidelines on the usage of large neutral amino acids

Indications:

- Phenylketonuria

Precautions:

- Not for use when planning or during pregnancy
- Seek medical advice before using with serotonergic medications

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Sachet
12643	49735-0126-43	B4157	40 x 15.8 g (0.6 oz)	40

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per Sachet (15.8 g)		Minerals	Per Sachet (15.8 g)	
	Per Sachet (15.8 g)	Per 100 g		Per Sachet (15.8 g)	Per 100 g
Calories	40	253	Calcium, mg	474	2998
Protein Equivalent, g	5.2	33	Phosphorus, mg	456	2888
Fat, g	0.16	1	Magnesium, mg	122	775
Carbohydrate g	4.4	28	Iron, mg	5.9	37.6
Amino Acids, g			Zinc, mg	3.7	23.2
L-Histidine	0.92	5.85	Manganese, mg	0.73	4.6
L-Isoleucine	0.46	2.92	Copper, mcg	332	2100
L-Leucine	0.46	2.92	Iodine, mcg	52.3	331
L-Lysine	0.46	2.92	Molybdenum, mcg	14.9	94.2
L-Methionine	0.92	5.85	Chromium, mcg	10.6	66.9
L-Threonine	0.46	2.92	Selenium, mcg	23.1	146
L-Tryptophan	0.92	5.85	Sodium, mg (mEq)	4.9 (0.21)	31 (1.3)
L-Tyrosine	0.92	5.85	Potassium, mg (mEq)	3.5 (0.09)	22 (0.56)
L-Valine	0.46	2.92	Chloride, mg (mEq)	0.25 (0.008)	1.6 (0.05)
Vitamins					
Vitamin A IU, (mcg R.E.)	892 (268)	5644 (1695)			
Vitamin D IU, (mcg R.E.)	135 (3.4)	852 (21.3)			
Vitamin E IU, (mg α T.E.)	7.4 (5)	46.9 (31.5)			
Vitamin K, mcg	32.7	207			
Thiamin, mg	0.36	2.3			
Riboflavin, mg	0.38	2.4			
Vitamin B ₆ , mg	0.65	4.1			
Vitamin B ₁₂ , mcg	1.3	8			
Niacin, mg	2.2	14.2			
Folic Acid, mcg	197	1246			
Pantothenic Acid, mg	1.9	12.2			
Biotin, mcg	9.8	61.9			
Vitamin C, mg	25.1	159			
Choline, mg	165	1045			
Inositol, mg	32.1	203			

Ingredients:

Sugar, Calcium Phosphate, Artificial Flavors, L-Histidine, L-Tryptophan, L-Tyrosine, Tricalcium Phosphate, Magnesium Acetate, L-Lysine Acetate, N-Acetyl-L-Methionine, L-Leucine, L-Methionine, L-Threonine, L-Valine, L-Isoleucine, Choline Bitartrate, Guar Gum, Soy Lecithin, Citric Acid, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, Artificial Sweetener (Acesulfame Potassium), DL-Alpha-Tocopheryl Acetate, Zinc Sulfate, Nicotinamide, Manganese Sulfate, Calcium-D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Cholecalciferol, Cyanocobalamin.

CONTAINS: Soy.



XPhe Maxamum[®]

A phenylalanine-free powdered medical food for the dietary management of phenylketonuria (PKU) in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XPhe Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in unflavored and orange flavor
- Contains < 1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Available in cans or pouches
- Displacement: 0.6 mL/g

Indications:

- Phenylketonuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can/Pouch
CANS				
118324 - Orange	49735-0183-24	B4162 or B4157	6 x 454 g (1 lb)	1385
118323 - Unflavored	49735-0183-23	B4162 or B4157	6 x 454 g (1 lb)	1385
POUCHES				
12312 - Orange	49735-0123-12	B4162 or B4157	30 x 50 g (1.8 oz)	153
12311 - Unflavored	49735-0123-11	B4162 or B4157	30 x 50 g (1.8 oz)	153

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 10 g Protein Equivalent	Vitamins	
			Per 100 g	Per 10 g Protein Equivalent
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669) 557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3) 83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg α T.E.)	18.3 (12.3) 4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82 21
Amino Acids, g			Thiamin, mg	0.91 0.23
L-Alanine	1.6	0.40	Riboflavin, mg	0.97 0.24
L-Arginine	3	0.75	Vitamin B ₆ , mg	1.6 0.4
L-Aspartic Acid	2.8	0.70	Vitamin B ₁₂ , mcg	3.1 0.8
L-Cystine	1.1	0.28	Niacin, mg	5.7 1.4
Glycine	2.8	0.70	Folic Acid, mcg	491 123
L-Histidine	1.7	0.43	Pantothenic Acid, mg	4.9 1.2
L-Isoleucine	2.7	0.68	Biotin, mcg	24.5 6.1
L-Leucine	4.6	1.15	Vitamin C, mg	62 16
L-Lysine	3.5	0.88	Choline, mg	430 108
L-Methionine	0.73	0.18	Inositol, mg	80 20
L-Phenylalanine	Nil Added	Nil Added	Minerals	
L-Proline	3.2	0.80	Calcium, mg	1183 296
L-Serine	2	0.50	Phosphorus, mg	1137 284
L-Threonine	2.2	0.55	Magnesium, mg	306 77
L-Tryptophan	0.89	0.22	Iron, mg	14.7 3.7
L-Tyrosine	4	1.00	Zinc, mg	9 2
L-Valine	2.9	0.73	Manganese, mg	1.8 0.5
L-Carnitine	0.039	0.01	Copper, mcg	820 205
Taurine	0.14	0.04	Iodine, mcg	131 33
L-Glutamine	4.9	1.23	Molybdenum, mcg	37 9
			Chromium, mcg	26 7
			Selenium, mcg	58 15
			Sodium, mg (mEq)	560 (24.3) 140 (6.1)
			Potassium, mg (mEq)	700 (17.9) 175 (4.5)
			Chloride, mg (mEq)	560 (16) 140 (4)

Ingredients:

Sugar, L-Arginine L-Aspartate, L-Lysine Acetate, L-Glutamine, L-Leucine, L-Tyrosine, Calcium Glycerophosphate, L-Proline, L-Valine, Glycine, L-Isoleucine, L-Threonine, Tripotassium Citrate, Magnesium Hydrogen Phosphate, and 2% or less of each of the following: L-Serine, L-Histidine, L-Alanine, Calcium Phosphate Dibasic, Choline Bitartrate, L-Cystine, Tricalcium Phosphate, Sodium Chloride, N-Acetyl L-Methionine, Trisodium Citrate, L-Tryptophan, Soy Lecithin, Magnesium L-Aspartate, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

Orange flavored version also contains: Citric Acid, and 2% or less of each of the following: Artificial Flavor, Artificial Sweetener: Acesulfame Potassium, Artificial Colors (Beta Carotene, Beet Red).

CONTAINS: Soy



PKU Lophlex® LQ

A phenylalanine-free*, ready-to-drink medical food containing amino acids, vitamins and minerals and DHA, based on fruit juice (from concentrate) with natural flavor; for the dietary management of proven phenylketonuria (PKU) in individuals 4 years and older, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Low volume; provides 20 g PE in just 4.2 fl oz (125 mL)
- Convenient ready-to-drink
- Made with real fruit juice from concentrate
- Contains a balanced mixture of other essential and non-essential amino acids, carbohydrates, vitamins and minerals
- Provides 150 mg of DHA per pouch
- Available in juicy orange, mixed berry blast and juicy tropical flavors
- Osmolality: 2460 mOsm/kg

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Pouch
86051	49735-0161-30	B4157 and B4162	30 x 4.2 fl oz (125 mL)	120
Juicy Orange				
86021	49735-0161-29	B4157 and B4162	30 x 4.2 fl oz (125 mL)	120
Mixed Berry Blast				
86055	49735-0195-35	B4157 and B4162	30 x 4.2 fl oz (125 mL)	120
Juicy Tropical				

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

*May contain traces of phenylalanine (PHE) from fruit juice (from concentrate).

Nutrition Information:

Nutrients	Per Pouch	Per 10 g	Vitamins	Per Pouch	Per 10 g
	(125 mL)	Protein Equivalent		(125 mL)	Protein Equivalent
Calories	120	60	Vitamin A, IU (mcg RE)	949 (285)	475 (143)
Protein Equivalent, g	20	10	Vitamin D, IU (mcg)	320 (8)	160 (4)
Fat, g	0.44	0.2	Vitamin E, IU (mg α TE)	4.8 (3.2)	2.4 (1.6)
DHA, mg	150	75	Vitamin K, mcg	24.9	12.5
Carbohydrate, g	9.3	4.7	Thiamin, mg	0.54	0.27
Of which Fiber, g	0.5	0.25	Riboflavin, mg	0.5	0.25
Amino Acids, g			Vit. B6, mg	0.58	0.29
L-Alanine	1.16	0.58	Vit. B12, mcg	1.8	0.90
L-Arginine	2	1	Niacin, mg (NE)	7.1	3.6
L-Aspartic Acid	1.75	0.88	Folic Acid, mg	120	60
L-Cystine	0.51	0.26	Pantothenic Acid, mg	1.8	0.9
Glycine	1.88	0.94	Biotin, mcg	53.4	26.7
L-Histidine	0.79	0.40	Vitamin C, mg	17.8	8.9
L-Isoleucine	1.24	0.62	Choline, mg	153	76.5
L-Leucine	2.13	1.1	Inositol, mg	40.6	20.3
L-Lysine	1.63	0.82	Minerals		
L-Methionine	0.34	0.17	Calcium, mg	319	160
L-Phenylalanine	Trace*	Trace*	Phosphorus, mg	244	122
L-Proline	2	1	Magnesium, mg	96.3	48.2
L-Serine	1.09	0.55	Iron, mg	5.1	2.6
L-Threonine	1.04	0.52	Zinc, mg	3.8	1.9
L-Tryptophan	0.41	0.21	Manganese, mcg	0.56	0.28
L-Tyrosine	1.88	0.94	Copper, mcg	563	282
L-Valine	1.38	0.69	Iodine, mcg	56.3	28.2
L-Carnitine	0.01	0.01	Molybdenum, mcg	25	12.5
Taurine	0.1	0.05	Chromium, mcg	10.8	5.4
			Selenium, mcg	26.8	13.4
			Sodium, mg	<25 (<10)	<12.5 (<5)
			Potassium, mg	90 (2.3)	45 (1.2)
			Chloride, mg	<25 (<10)	<12.5 (<5)

Ingredients:

Water, and less than 2% of each of the following: L-Leucine, Citric Acid, L-Proline, L-Arginine, Glycine, L-Tyrosine, L-Lysine Acetate, L-Valine, L-Aspartic Acid, L-Isoleucine, Dicalcium Phosphate, L-Alanine, L-Serine, L-Threonine, L-Histidine, L-Lysine, L-Aspartate, Maltodextrin, Magnesium Acetate, L-Cystine, Choline Bitartrate, L-Tryptophan, Sugar, C. Cohnii Oil**, N-Acetyl L-Methionine, Microcrystalline Cellulose, L-Ascorbic Acid, Taurine, L-Methionine, Guar Gum, Sunflower Lecithin, Xanthan Gum, M-Inositol, Potassium Sorbate (preservative to delay spoilage), Ferrus Lactate, Cellulose Gum, Artificial Sweetener: Acesulfame Potassium, L-Carnitine, Sodium Benzoate (preservative to delay spoilage), Zinc Sulfate, Niacinamide, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Potassium Iodide, Ascorbyl Palmitate, Mixed Tocopherols, Sodium Molybdate, D-Biotin, Sodium Selenite, Chromium Chloride, Phylloquinone, Vitamin D3, Cyanocobalamin.

**A Source Of Docosaheptaenoic Acid (DHA)

Juicy Orange flavored version also contains: Orange Juice from Concentrate (45.5%), Corn Syrup Solids, and less than 2% of the following: Natural Flavor, Artificial Sweetener: Sucralose.

Mixed Berry Blast flavored version also contains: Apple Juice from Concentrate (34.1%), Grape Juice from Concentrate (6.9%), Blackcurrant Juice from Concentrate (2.5%), and less than 2% of the following: Elderberry Juice from Concentrate (0.6%), Natural Flavor, Concentrate (Apple, Blackcurrant, Radish), Artificial Sweetener: Sucralose.

Juicy Tropical flavored version also contains: Orange Juice from Concentrate (18%), Mango Puree from Concentrate (6.4%), Mandarin Juice from Concentrate (4.0%), Corn Syrup Solids, and less than 2% of the following: Artificial Flavor.

Juicy Orange contains 45.5% juice.
Mixed Berry Blast contains 44.1% juice.
Juicy Tropical contains 28.4% juice.



PKU Lophlex® Powder

A low volume, phenylalanine-free, powdered medical food for the dietary management of phenylketonuria (PKU) in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Low volume and low calorie
- Contains vitamins, minerals, and trace elements
- Age-appropriate DRI formulation
- Lophlex provides 10 g of protein equivalent per sachet
- Available in berry and orange flavors
- Osmolality (mOsm/kg):

Dilution	Orange	Berry
1 to 5	1390	1340

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Sachet
12169 - Berry	49735-0121-69	B4157 or B4162	30 x 14.3 g (0.5 oz)	42
12167 - Orange	49735-0121-67	B4157 or B4162	30 x 14.3 g (0.5 oz)	42

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

NEW LOOK
SUMMER
2016

Nutrition Information:

Nutrients	Per sachet (14.3 g)	Per 100 g	Vitamins	Per sachet (14.3 g)	Per 100 g
Calories	41	286	Vitamin A, IU (mcg R.E.)	557 (167)	3896 (1170)
Protein Equivalent, g	10	70	Vitamin D, IU (mcg)	82.9 (2.1)	580 (14.5)
Fat, g	0.03	0.2	Vitamin E, IU (mg α T.E.)	4.6 (3.1)	32 (21.5)
Carbohydrate, g	0.14	1	Vitamin K, mcg	20.4	143
Amino Acids, g			Thiamin, mg	0.23	1.6
L-Alanine	0.47	3.3	Riboflavin, mg	0.24	1.7
L-Arginine	0.83	5.8	Vitamin B ₆ , mg	0.4	2.8
L-Aspartic Acid	0.77	5.4	Vitamin B ₁₂ , mcg	0.79	5.5
L-Cystine	0.31	2.2	Niacin, mg	1.4	10
Glycine	0.73	5.1	Folic Acid, mcg	123	860
L-Histidine	0.47	3.3	Pantothenic Acid, mg	1.2	8.6
L-Isoleucine	0.73	5.1	Biotin, mcg	6.1	43
L-Leucine	1.24	8.7	Vitamin C, mg	15.7	110
L-Lysine	0.84	5.9	Choline, mg	103	720
L-Methionine	0.20	1.4	Inositol, mg	20	140
L-Phenylalanine	Nil Added	Nil Added	Minerals		
L-Proline	0.89	6.2	Calcium, mg	296	2070
L-Serine	0.54	3.8	Phosphorus, mg	285	1990
L-Threonine	0.61	4.3	Magnesium, mg	76.5	535
L-Tryptophan	0.24	1.7	Iron, mg	3.7	25.7
L-Tyrosine	1.12	7.8	Zinc, mg	2.3	15.8
L-Valine	0.80	5.6	Manganese, mg	0.44	3.1
L-Carnitine	0.01	0.06	Copper, mcg	204	1430
Taurine	0.02	0.11	Iodine, mcg	32.7	229
L-Glutamine	0.56	3.95	Molybdenum, mcg	9.3	65
			Chromium, mcg	6.6	46
			Selenium, mcg	14.4	101
			Sodium, mg (mEq)	<3 (<1)	<20 (<1)
			Potassium, mg (mEq)	<6 (<1)	<40 (<1)
			Chloride, mg (mEq)	<1 (<1)	<1 (<1)

Ingredients:

Berry: L-Lysine, L-Aspartate, L-Leucine, L-Tyrosine, L-Proline, L-Arginine, Calcium Phosphate Tribasic, L-Valine, L-Carnitine, L-Isoleucine, L-Threonine, Magnesium Hydrogen Phosphate, L-Glutamine, L-Serine, L-Histidine, L-Alanine, Citric Acid, L-Cystine, N-Acetyl L-Methionine, Choline Bitartrate, L-Tryptophan, Calcium Phosphate Monobasic, Guar Gum, Artificial Flavor, Soy Lecithin, L-Ascorbic Acid, M-Inositol, Artificial Sweetener: Acesulfame Potassium, Taurine, Ferrous Sulfate, Zinc Sulfate, Di-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Color (Beet Red), Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

Orange: L-Lysine, L-Aspartate, L-Leucine, L-Tyrosine, L-Proline, L-Arginine, Calcium Phosphate Tribasic, L-Valine, L-Carnitine, L-Isoleucine, Magnesium Hydrogen Phosphate, L-Threonine, L-Glutamine, L-Serine, L-Histidine, L-Alanine, Citric Acid, L-Cystine, N-Acetyl L-Methionine, Choline Bitartrate, L-Tryptophan, Calcium Phosphate Monobasic, Artificial Flavor, Guar Gum, Soy Lecithin, L-Ascorbic Acid, M-Inositol, Artificial Sweetener: Acesulfame Potassium, Taurine, Ferrous Sulfate, Zinc Sulfate, Di-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Color (Beet Red, Beta) Carotene, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



Phlexy-10® Tablets

A phenylalanine-free medical food in tablet form for the dietary management of phenylketonuria (PKU) in individuals over 8 years of age, including pregnant women and women of child-bearing age.

NAME CHANGE TO
PKU LOPHLEX TABLETS
COMING SOON

Main Features:

- Phenylalanine-free
- Every 12 tablets provide 10 g of protein equivalent
- A great alternative to PKU liquid consumption
- Weighing no longer necessary

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories
11951 - Tablets	49735-0119-51	A9270	75/bottle	285/bottle

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 10 Tablets	Per 12 Tablets
Calories	41	49
Protein Equivalent, g	8.3	10.0
Carbohydrate, g	3.7	4.3
Fiber, g	3.0	3.5
Fat, g	0.38	0.46
Saturated Fat, g	0.36	0.43
Amino Acids, g		
L-Alanine	0.41	0.49
L-Arginine	0.72	0.86
L-Aspartic Acid	0.68	0.82
L-Cystine	0.27	0.32
L-Glutamic Acid	Nil Added	Nil Added
Glycine	0.64	0.77
L-Histidine	0.41	0.49
L-Isoleucine	0.64	0.77
L-Leucine	1.09	1.3
L-Lysine	0.74	0.89
L-Methionine	0.17	0.20
L-Phenylalanine	Nil Added	Nil Added
L-Proline	0.77	0.92
L-Serine	0.47	0.56
L-Threonine	0.54	0.65
L-Tryptophan	0.22	0.26
L-Tyrosine	0.97	1.2
L-Valine	0.7	0.84
L-Carnitine	0.01	0.01
Taurine	0.01	0.02
L-Glutamine	0.50	0.60

Ingredients:

Phlexy-10 Tablets: Microcrystalline Cellulose, L-Leucine, L-Tyrosine, L-Lysine Hydrochloride, L-Proline, L-Arginine, L-Valine, L-Aspartic Acid, Pregelatinized Corn Starch, Glycine, L-Isoleucine, L-Threonine, L-Glutamine, L-Serine, L-Alanine, L-Histidine, Magnesium Stearate, L-Cystine, Hydroxypropyl Methyl Cellulose, L-Tryptophan, Acacia Gum, L-Methionine, Stearic Acid, Glycerol, Taurine, L-Carnitine.

* S9435 = For individuals who submit their bills to insurance on their own.



Phlexy-10[®] Drink Mix

A phenylalanine-free powdered medical food for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Phenylalanine-free
- Available in black currant/apple or tropical surprise flavor
- Each pouch provides 8.33 g PE
- Convenient, pre-measured single serve pouches
- Osmolality (mOsm/kg):

Dilution	Blackcurrant/ Apple	Tropical Surprise
1 to 5	1172	1140

Indications:

- Phenylketonuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories
11467 - Drink Mix (Blackcurrant/Apple)	49735-0114-67	B4157 or B4162	30 x 20 g (0.7 oz)	69/pouch
11910 - Drink Mix (Tropical Surprise)	49735-0119-10	B4157 or B4162	30 x 20 g (0.7 oz)	69/pouch

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 20 g Pouch
Calories	69
Protein Equivalent, g	8.33
Fat, g	Nil Added
Saturated, g	Nil Added
Monounsaturated, g	Nil Added
Polyunsaturated, g	Nil Added
Carbohydrate, g	8.8
Dietary Fiber, g	Nil Added
Amino Acids, g	
L-Alanine	0.41
L-Arginine	0.72
L-Aspartic Acid	0.68
L-Cystine	0.27
Glycine	0.64
L-Histidine	0.41
L-Isoleucine	0.64
L-Leucine	1.09
L-Lysine	0.74
L-Methionine	0.17
L-Phenylalanine	Nil Added
L-Proline	0.77
L-Serine	0.47
L-Threonine	0.54
L-Tryptophan	0.22
L-Tyrosine	0.97
L-Valine	0.7
L-Carnitine	0.007
Taurine	0.014
L-Glutamine	0.5

Ingredients:

Phlexy-10 Drink Mix (blackcurrant/apple):

Sucrose, L-Lysine Aspartate, L-Leucine, L-Tyrosine, Artificial Flavors, L-Proline, L-Arginine, L-Valine, L-Isoleucine, Glycine, Malic Acid, L-Threonine, L-Glutamine, Corn Syrup Solids, L-Serine, L-Histidine, L-Alanine, L-Cystine, N-Acetyl L-Methionine, L-Tryptophan, Soy Lecithin, Taurine, L-Carnitine, Artificial Sweetener: Acesulfame Potassium, Artificial Color.

Phlexy-10 Drink Mix (tropical surprise):

Sucrose, L-Lysine Aspartate, Artificial Flavors, L-Leucine, L-Tyrosine, L-Proline, L-Arginine, L-Valine, Citric Acid, Glycine, L-Isoleucine, L-Threonine, L-Glutamine, Corn Syrup Solids, L-Serine, L-Histidine, L-Alanine, L-Cystine, N-Acetyl L-Methionine, L-Tryptophan, Soy Lecithin, Artificial Sweetener: Acesulfame Potassium, Taurine, L-Carnitine, Artificial Color.

Must combine with an appropriate vitamin and mineral supplement when taken as the sole source of amino acid protein.



MSUD Anamix® Early Years

An isoleucine-, leucine-, and valine-free powdered infant formula with iron, for the dietary management of maple syrup urine disease (MSUD). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- Isoleucine-, leucine-, and valine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90168	49735-0101-68	B4162	6 x 400 g (14 oz)	1892

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.82	0.61	Inositol, mg	98.0	72.6
L-Arginine	1.4	1.0	Minerals		
L-Aspartic Acid	1.2	0.89	Calcium, mg	371	275
L-Cystine	0.52	0.39	Phosphorus, mg	270	200
L-Glutamic Acid	1.6	1.2	Magnesium, mg	52.5	38.9
L-Glutamine	0.13	0.10	Iron, mg	7.3	5.4
Glycine	1.29	0.96	Zinc, mg	5.2	3.9
L-Histidine	0.8	0.59	Manganese, mcg	390	289
L-Isoleucine	Nil Added	Nil Added	Copper, mcg	390	289
L-Leucine	Nil Added	Nil Added	Iodine, mcg	82.5	61.1
L-Lysine	1.45	1.1	Molybdenum, mcg	10.9	8.1
L-Methionine	0.34	0.25	Chromium, mcg	12.5	9.3
L-Phenylalanine	0.94	0.70	Selenium, mcg	14.1	10.4
L-Proline	1.56	1.2	Sodium, mg	171	127
L-Serine	0.96	0.71	Potassium, mg	454	336
L-Threonine	1.05	0.78	Chloride, mg	321	238
L-Tryptophan	0.42	0.31			
L-Tyrosine	0.94	0.70			
L-Valine	Nil Added	Nil Added			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-Hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Lysine L-Glutamate, L-Proline, L-Arginine, Glycine, L-Aspartic Acid, Tricalcium Phosphate, L-Threonine, CAEM (an emulsifier), L-Tyrosine, L-Phenylalanine, L-Serine, L-Histidine, L-Alanine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, L-Cystine, L-Tryptophan, Sodium Phosphate Dibasic, Magnesium Acetate, L-Methionine, M. Alpina Oil*, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, L-Glutamic Acid, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin.

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



MSUD Maxamaid®

An isoleucine-, leucine- and valine-free powdered medical food for the dietary management of maple syrup urine disease (MSUD) in toddlers and young children.

Main Features:

- Isoleucine-, leucine- and valine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- MSUD Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains < 1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117781	49735-0177-81	B4162	6 x 454 g (1 lb)	1471

WIC+ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg α T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	1.48	0.59	Riboflavin, mg	0.8	0.3
L-Arginine	2.60	1.04	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	2.17	0.87	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.96	0.38	Niacin, mg	5	2
Glycine	2.31	0.92	Folic Acid, mcg	240	96
L-Histidine	1.49	0.60	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	Nil Added	Nil Added	Biotin, mcg	18	7.2
L-Leucine	Nil Added	Nil Added	Vitamin C, mg	62.5	25
L-Lysine	2.69	1.08	Choline, mg	250	100
L-Methionine	0.63	0.25	Inositol, mg	56	22
L-Phenylalanine	1.75	0.70	Minerals		
L-Proline	2.81	1.12	Calcium, mg	810	324
L-Serine	1.73	0.69	Phosphorus, mg	810	324
L-Threonine	1.94	0.78	Magnesium, mg	128	51
L-Tryptophan	0.77	0.31	Iron, mg	14	5.6
L-Tyrosine	1.75	0.70	Zinc, mg	11	4.4
L-Valine	Nil Added	Nil Added	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, L-Arginine L-Aspartate, L-Lysine Acetate, Calcium Phosphate Dibasic, Citric Acid, L-Proline, Tripotassium Citrate, Glycine, L-Threonine, L-Glutamine, L-Phenylalanine, L-Tyrosine, L-Serine, Artificial Flavors, L-Histidine, L-Alanine, Maltodextrin, Disodium Hydrogen Phosphate, L-Cystine, Sodium Chloride, N-Acetyl L-Methionine, L-Tryptophan, Magnesium Acetate, Choline Bitartrate, Magnesium L-Aspartate, Taurine, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta-Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



MSUD Maxamum[®]

An isoleucine-, leucine- and valine-free powdered medical food for the dietary management of maple syrup urine disease (MSUD) in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Isoleucine-, leucine- and valine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- MSUD Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117789	49735-0177-89	B4157 or B4162	6 x 454 g (1 lb)	1385

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669)	557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3)	83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg α T.E.)	18.3 (12.3)	4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82	21
Amino Acids, g			Thiamin, mg	0.91	0.23
L-Alanine	2.4	0.60	Riboflavin, mg	0.97	0.24
L-Arginine	4.1	1.03	Vitamin B ₆ , mg	1.6	0.4
L-Aspartic Acid	3.4	0.85	Vitamin B ₁₂ , mcg	3.1	0.8
L-Cystine	1.6	0.40	Niacin, mg	5.7	1.4
L-Glutamic Acid	4.6	1.15	Folic Acid, mcg	491	123
Glycine	3.7	0.93	Pantothenic Acid, mg	4.9	1.2
L-Histidine	2.3	0.58	Biotin, mcg	24.5	6.1
L-Isoleucine	Nil Added	Nil Added	Vitamin C, mg	62	16
L-Leucine	Nil Added	Nil Added	Choline, mg	430	108
L-Lysine	4.2	1.05	Inositol, mg	80	20
L-Methionine	0.99	0.25	Minerals		
L-Phenylalanine	2.8	0.70	Calcium, mg	1183	296
L-Proline	4.5	1.13	Phosphorus, mg	1137	284
L-Serine	2.8	0.70	Magnesium, mg	306	77
L-Threonine	3.1	0.78	Iron, mg	14.7	3.7
L-Tryptophan	1.3	0.33	Zinc, mg	9	2
L-Tyrosine	2.8	0.70	Manganese, mg	1.8	0.5
L-Valine	Nil Added	Nil Added	Copper, mcg	820	205
L-Carnitine	0.04	0.01	Iodine, mcg	131	33
Taurine	0.14	0.04	Molybdenum, mcg	37	9
L-Glutamine	0.32	0.08	Chromium, mcg	26	7
			Selenium, mcg	58	15
			Sodium, mg (mEq)	560 (24.3)	140 (6.1)
			Potassium, mg (mEq)	700 (17.9)	175 (4.5)
			Chloride, mg (mEq)	560 (16)	140 (4)

Ingredients:

Sugar, L-Lysine L-Glutamate, Corn Syrup Solids, Calcium Phosphate Dibasic, L-Proline, L-Arginine, Glycine, L-Aspartic Acid, L-Threonine, L-Phenylalanine, L-Tyrosine, L-Serine, Artificial Flavor, L-Histidine, L-Alanine, Citric Acid, Magnesium Acetate, L-Cystine, L-Tryptophan, Tripotassium Citrate, Choline Bitartrate, L-Methionine, Sodium Chloride, Soy Lecithin, Disodium Hydrogen Phosphate, Dipotassium Hydrogen Phosphate, L-Glutamine, Tricalcium Phosphate, L-Glutamic Acid, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Colors (Beta-Carotene, Beet Red), Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



MSUD Lophlex[®] LQ

An isoleucine-, leucine- and valine-free* ready-to-drink medical food containing amino acids, carbohydrates, vitamins, minerals and DHA, based on mixed fruit juices (from concentrate) with natural flavor; for the dietary management of proven maple syrup urine disease (MSUD) in individuals 4 years and older, including pregnant women and women of child-bearing age.

Main Features:

- Isoleucine-, leucine- and valine-free
- Low volume; provides 20 g PE in just 4.2 fl oz (125 mL)
- Convenient ready-to-drink
- Based on fruit juices (from concentrate) with natural flavor - no artificial flavors
- Contains a balanced mixture of other essential and non-essential amino acids, carbohydrates, vitamins, minerals and DHA
- Provides 150 mg DHA per pouch
- Available in mixed berry blast flavor
- Osmolality: 2460 mOsm/kg

Indications:

- Maple syrup urine disease (MSUD)

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Pouch
82112	49735-0167-49	B4157 or B4162	30 X 4.2 fl oz (125 mL)	120

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per Pouch	Per 10 g	Vitamins	Per Pouch	Per 10 g
	(4.2 fl oz)	Protein Equivalent		(4.2 fl oz)	Protein Equivalent
Calories	120.0	60.0	Vitamin A, IU (mcg R.E.)	949 (285)	475 (143)
Protein Equivalent, g	20.0	10.0	Vitamin D, IU (mcg)	320 (8.0)	160 (4.0)
Fat, g	0.44	0.22	Vitamin E, IU (mg α T.E.)	4.8 (3.2)	2.4 (1.6)
DHA, mg	150	75.0	Vitamin K, mcg	24.9	12.5
Carbohydrate, g	9.3	4.7	Thiamin, mg	0.54	0.27
Fiber, g	0.50	0.25	Riboflavin, mg	0.50	0.25
Amino Acids,			Vitamin B ₆ , mg	0.58	0.29
L-Alanine	1.40	0.70	Vitamin B ₁₂ , mcg	1.8	0.90
L-Arginine	1.90	0.95	Niacin, mg	7.1	3.6
L-Aspartic Acid	1.45	0.73	Folic Acid, mcg	120	60.0
L-Cystine	1.20	0.60	Pantothenic Acid, mg	1.8	0.9
Glycine	1.90	0.95	Biotin, mcg	53.4	26.7
L-Histidine	1.00	0.50	Vitamin C, mg	17.8	8.9
L-Isoleucine	Trace*	Trace*	Choline, mg	153	76.5
L-Leucine	Trace*	Trace*	Inositol, mg	40.6	20.3
L-Lysine	1.78	0.89	Mineral		
L-Methionine	0.43	0.22	Calcium, mg	319	160
L-Phenylalanine	1.18	0.59	Phosphorus, mg	244	122
L-Proline	2.38	1.19	Magnesium, mg	96.3	48.2
L-Serine	1.65	0.83	Iron, mg	5.1	2.6
L-Threonine	1.30	0.65	Zinc, mg	3.8	1.9
L-Tryptophan	0.53	0.27	Manganese, mg	0.56	0.28
L-Tyrosine	2.00	1.00	Copper, mcg	563	282
L-Valine	Trace*	Trace*	Iodine, mcg	56.3	28.2
L-Carnitine	0.01	0.01	Molybdenum, mcg	25.0	12.5
Taurine	0.06	0.03	Chromium, mcg	10.8	5.4
			Selenium, mcg	26.8	13.4
			Sodium, mg (mmol)	<25.0 (<10)	<12.5 (<5)
			Potassium, mg (mmol)	90 (2.3)	45 (1.2)
			Chloride, mg (mmol)	<25.0 (<10)	<12.5 (<5)

Ingredients:

Water, Apple Juice from Concentrate (34.1%), Grape Juice from Concentrate (6.9%), Blackcurrant Juice from Concentrate (2.5%), L-Lysine Acetate, L-Proline, Citric Acid, L-Tyrosine, L-Arginine, Glycine, L-Serine, L-Aspartic Acid, L-Alanine, L-Threonine, Corn Syrup Solids, L-Cystine, L-Phenylalanine, Dicalcium Phosphate, L-Histidine, Elderberry Juice from Concentrate (0.6%), Maltodextrin, Magnesium Acetate, N-Acetyl L-Methionine, L-Tryptophan, Choline Bitartrate, C. Cohnii Oil*, Sugar, Microcrystalline Cellulose, Natural Flavor, Fruit Concentrate (Apple, Blackcurrant, Radish), L-Ascorbic Acid, Taurine, Guar Gum, Sunflower Lecithin, Xanthan Gum, M-Inositol, Potassium Sorbate (preservative to delay spoilage), Artificial Sweetener: Sucralose, Ferrous Lactate, Artificial Sweetener: Acesulfame Potassium, Sodium Benzoate (preservative to delay spoilage), Zinc Sulfate, L-Carnitine, Niacinamide, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Potassium Iodide, Ascorbyl Palmitate, Mixed Tocopherols, Sodium Molybdate, D-Biotin, Sodium Selenite, Chromium Chloride, Phylloquinone, Vitamin D₃, Cyanocobalamin.

Contains 44.1% juice.

*A Source of Docosahexaenoic Acid (DHA).

*May contain traces of leucine, isoleucine and valine from fruit juice (from concentrate) at a level of < 1.5 mg per 100 mL.



Complex Junior MSD Drink Mix

An isoleucine-, leucine-, and valine-free powdered medical food for the dietary management of maple syrup urine disease (MSUD) in young children.

Main Features:

- Isoleucine-, leucine- and valine-free
- Includes DHA & ARA
- Essential vitamins and minerals to help meet needs of young children with MSUD
- Mild neutral flavor
- Provides 13 g of protein equivalent per 100 g of powder
- Displacement: 0.7 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
5910	00847-0591-02	B4157 or B4162	4 x 400 g (14.1 oz)	1976

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal	Vitamins	Per 100 g	Per 100 kcal
Calories	494	100	Vitamin A, IU (mcg R.E.)	1187 (356)	240 (72)
Protein Equivalent, g	13	2.6	Vitamin D, IU (mcg)	429 (10.7)	87 (2.2)
Carbohydrate, g	46	9	Vitamin E, IU (mg α T.E.)	13.8 (9.2)	2.8 (1.9)
Fat, g	29	6	Vitamin K, mcg	62	12.6
Saturated Fat, g	8.3	1.7	Thiamin, mg	1.1	0.22
Monounsaturated Fat, g	14.7	3	Riboflavin, mg	0.81	0.16
Polyunsaturated Fat, g	5.1	1	Vitamin B ₆ , mg	0.78	0.16
Linoleic Acid, mg	4296	870	Vitamin B ₁₂ , mcg	2	0.4
DHA, mg	88	17.9	Niacin, mg	5.8	1.2
ARA, mg	88	17.9	Folic Acid, mcg	140	28
Amino Acids, g			Pantothenic Acid, mg	3.4	0.69
L-Alanine	1.40	0.28	Biotin, mcg	36	7.2
L-Arginine	0.66	0.13	Vitamin C, mg	78	15.8
L-Asparagine	0.75	0.15	Choline, mg	244	49
L-Cystine	0.29	0.06	Inositol, mg	148	30
L-Glutamic Acid	0.45	0.09	Minerals		
L-Glutamine	3.71	0.75	Calcium, mg	596	121
Glycine	0.35	0.07	Phosphorus, mg	444	90
L-Histidine	0.92	0.19	Magnesium, mg	68	13.8
L-Isoleucine	Nil Added	Nil Added	Iron, mg	14.7	3
L-Leucine	Nil Added	Nil Added	Zinc, mg	29	5.8
L-Lysine	1.17	0.24	Manganese, mg	0.44	0.09
L-Methionine	0.38	0.08	Copper, mg	0.95	0.19
L-Phenylalanine	1.14	0.23	Iodine, mcg	96	19.4
L-Proline	0.76	0.16	Molybdenum, mcg	15.8	3.2
L-Serine	0.58	0.12	Chromium, mcg	16.2	3.3
L-Threonine	0.94	0.19	Selenium, mcg	44	8.9
L-Tryptophan	0.69	0.14	Sodium, mg	303	61
L-Tyrosine	1.14	0.23	Potassium, mg	797	161
L-Valine	Nil Added	Nil Added	Chloride, mg	384	78
L-Carnitine	0.03	0.01			
Taurine	0.07	0.01			

Ingredients:

Corn Syrup Solids, Maltodextrin, Modified Corn Starch, Canola Oil, Safflower Oil, Coconut Oil, L-Glutamine, Soybean Oil, Tricalcium Phosphate, L-Lysine Acetate, L-Alanine, L-Phenylalanine, L-Tyrosine, Sodium Citrate, Dipotassium Phosphate, L-Threonine, L-Histidine, L-Asparagine Monohydrate, L-Proline, L-Tryptophan, Choline Bitartrate, L-Arginine, Ascorbyl Palmitate, Mixed Tocopherols, Magnesium Chloride, Rosemary Extract, L-Serine, Potassium Citrate, Potassium Chloride, L-Glutamic Acid, L-Methionine, Glycine, Silicon Dioxide, L-Cystine, C. Cohnii Oil, Glucose Syrup Solids, Mono- and Diglycerides, M. Alpina Oil, Inositol, Ascorbic Acid, Zinc Sulfate, Taurine, Ferrous Sulfate, High Oleic Sunflower Oil, Mannitol, L-Carnitine, Vitamin E Acetate, Glycerol, Mono- and Distearate, Natural Flavor, Sodium Polyphosphate, Sunflower Lecithin, Sodium Ascorbate, Vitamin K₁, Niacinamide, Vitamin A Palmitate, Vitamin D₃, D-Calcium Pantothenate, D-Biotin, Copper Sulfate, Manganese Sulfate, Thiamin Hydrochloride, Potassium Iodide, Pyridoxine Hydrochloride, Sodium Selenite, Riboflavin, Vitamin B₁₂, Folic Acid, Chromium Chloride and Sodium Molybdate.

CONTAINS: Coconut, Soy.



Complex Essential MSD Drink Mix

An isoleucine-, leucine-, and valine-free powdered medical food for the dietary management of maple syrup urine disease (MSUD) in children and adults, including pregnant women and women of child bearing age.

Main Features:

- Isoleucine-, leucine- and valine-free
- Contains a 4:1 ration of Omega-6 to Omega-3, and 1.5 g of soluble fiber per serving
- Complete with essential vitamins and minerals
- Provides 25 g of protein equivalent per 100 g powder
- Vanilla flavor
- Osmolality (mOsm/kg): 813
Based on standard dilution
- Displacement: 0.75 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
5972	00847-0597-22	B4157 or B4162	4 x 454 g (1 lb)	1725

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent (1 scoop)		Nutrients	Per 10 g Protein Equivalent (1 scoop)	
	Per 100 g	Per 100 g		Per 100 g	Per 100 g
Calories	380	152	Vitamin A, IU (mcg R.E.) (25% as beta-carotene)	1700 (637)	680 (255)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	600 (15)	240 (6)
Carbohydrate, g	47	19	Vitamin E, IU (mg α.T.E.)	18.4 (12.3)	7.3 (4.9)
Soluble Fiber, g	3.9	1.5	Vitamin K, mcg	50	20
Fat, g	12	5	Thiamin, mg	1.5	0.6
Saturated Fat, g	2.1	0.85	Riboflavin, mg	1.5	0.6
Monounsaturated Fat, g	6.8	2.7	Vitamin B ₆ , mg	1.3	0.52
Polyunsaturated Fat, g	2.6	1	Vitamin B ₁₂ , mcg	2	0.8
Linoleic Acid, mg	1871	748	Niacin, mg	12	4.8
α-Linolenic Acid, mg	493	197	Folic Acid, mcg	250	100
Amino Acids, g			Pantothenic Acid, mg	5.5	2.2
L-Alanine	2.70	1.08	Biotin, mcg	30	12
L-Arginine	1.28	0.51	Vitamin C, mg	60	24
L-Asparagine	1.45	0.58	Choline, mg	100	40
L-Cystine	0.56	0.22	Inositol, mg	40	16
L-Glutamic Acid	0.86	0.35	Minerals		
L-Glutamine	7.17	2.87	Calcium, mg	886	355
Glycine	0.67	0.27	Phosphorus, mg	864	346
L-Histidine	1.79	0.71	Magnesium, mg	200	80
L-Isoleucine	Nil Added	Nil Added	Iron, mg	13	5
L-Leucine	Nil Added	Nil Added	Zinc, mg	12	4.8
L-Lysine	2.27	0.91	Manganese, mg	1.5	0.6
L-Methionine	0.74	0.30	Copper, mg	1	0.4
L-Phenylalanine	2.20	0.88	Iodine, mcg	120	48
L-Proline	1.48	0.59	Molybdenum, mcg	75	30
L-Serine	1.12	0.45	Chromium, mcg	40	16.1
L-Threonine	1.81	0.72	Selenium, mcg	100	40
L-Tryptophan	1.33	0.53	Sodium, mg	600	240
L-Tyrosine	2.20	0.88	Potassium, mg	1301	520
L-Valine	Nil Added	Nil Added	Chloride, mg	860	344
L-Carnitine	0.06	0.02			
Taurine	0.14	0.06			

Ingredients:

Sugar, L- Glutamine, Modified Food Starch, Dextrin, Canola Oil, Maltodextrin, Safflower Oil, L-Lysine Acetate, L-Alanine, Natural and Artificial Flavor, Tricalcium Phosphate, Potassium Citrate, L-Phenylalanine, L-Tyrosine, L-Threonine, L-Histidine, L-Asparagine Monohydrate, Magnesium Phosphate, Sodium Chloride, L-Proline, Dipotassium Phosphate, L-Tryptophan, L-Arginine, L-Serine, Coconut Oil, Soybean Oil, L-Glutamic Acid, L-Methionine, Glycine, L-Cystine, Flaxseed Oil, Titanium Dioxide, Choline Bitartrate, Ascorbyl Palmitate, Mixed Tocopherols, Rosemary Extract, Sodium Citrate, Taurine, Ascorbic Acid, L-Carnitine, Ferrous Sulfate, Inositol, Vitamin E Acetate, Zinc Sulfate, Calcium Phosphate, Niacinamide, Copper Gluconate, D-Calcium Pantothenate, Vitamin D₃, Vitamin A Palmitate, Vitamin K₁, Manganese Sulfate, Mono -and Diglycerides, D-Biotin, Beta-carotene, Chromium Chloride, Sodium Selenite, Pyridoxine Hydrochloride, Riboflavin, Potassium Iodide, Thiamin Mononitrate, Folic Acid, Sodium Molybdate and Vitamin B₁₂.

CONTAINS: Coconut, Soy.



Complex MSD Amino Acid Blend

An isoleucine-, leucine-, and valine-free powdered medical food for the dietary management of maple syrup urine disease (MSUD) in children and adults.

Main Features:

- Isoleucine-, leucine- and valine-free
- Does not contain fat, carbohydrates, vitamins and minerals
- 40 calories per serving
- Provides 81 g of protein equivalent per 100 g of powder
- Unflavored
- Displacement: 0.48 mL/g

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
5900	00847-0590-00	B4155 or B9998	4 x 454 g (1 lb)	1466

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent (1 scoop)		Amino Acids, g	Per 10 g Protein Equivalent	
	Per 100 g			Per 100 g	(1 scoop)
Calories	323	40	L-Alanine	8.72	1.08
Protein Equivalent, g	81	10	L-Arginine	4.13	0.51
Carbohydrate, g	0	0	L-Asparagine	4.67	0.58
Fat, g	0	0	L-Cystine	1.80	0.22
			L-Glutamic Acid	2.79	0.35
			L-Glutamine	23.12	2.87
			Glycine	2.16	0.27
			L-Histidine	5.76	0.71
			L-Isoleucine	Nil Added	Nil Added
			L-Leucine	Nil Added	Nil Added
			L-Lysine	7.32	0.91
			L-Methionine	2.38	0.30
			L-Phenylalanine	7.08	0.88
			L-Proline	4.76	0.59
			L-Serine	3.60	0.45
			L-Threonine	5.83	0.72
			L-Tryptophan	4.28	0.53
			L-Tyrosine	7.08	0.88
			L-Valine	Nil Added	Nil Added
			L-Carnitine	0.19	0.02
			Taurine	0.46	0.06

Ingredients:

L-Glutamine, L-Lysine Acetate, L-Alanine, L-Phenylalanine, L-Tyrosine, L-Threonine, L-Histidine, L-Asparagine Monohydrate, L-Proline, L-Tryptophan, L-Arginine, L-Serine, L-Glutamic Acid, L-Methionine, Glycine, L-Cystine, Taurine, Silicon Dioxide and L-Carnitine.

Note: Must combine with an appropriate vitamin & mineral supplement when taken as the sole source of amino acid protein.



Complex MSD Amino Acid Bars

An isoleucine-, leucine-, and valine-free, medical food for the dietary management of maple syrup urine disease (MSUD) in the form of a bar for children and adults.

Main Features:

- Isoleucine-, leucine- and valine-free
- Great tasting chocolate flavor (artificially flavored)
- An alternative to liquid MSUD formula
- 1 bar provides 10 g of protein equivalent

Indications:

- Maple syrup urine disease (MSUD)

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Bar
5980	00847-0598-06	A9270 or B9998	12 x 47 g (1.66 oz)	262

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Amino Acids, g	Per 10 g Protein Equivalent	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	558	262	L-Alanine	2.31	1.08
Protein Equivalent, g	21	10	L-Arginine	1.09	0.51
Carbohydrate, g	34	16	L-Asparagine	1.23	0.58
Sugars, g	33	16	L-Cystine	0.48	0.22
Fat, g	39	18	L-Glutamic Acid	0.74	0.35
Saturated Fat, g	23	11	L-Glutamine	6.12	2.88
Monounsaturated Fat, g	13	6	Glycine	0.57	0.27
Polyunsaturated Fat, g	1	0.3	L-Histidine	1.52	0.72
Trans Fat, g	0	0	L-Isoleucine	Nil Added	Nil Added
			L-Leucine	Nil Added	Nil Added
			L-Lysine	1.94	0.91
			L-Methionine	0.63	0.30
			L-Phenylalanine	1.87	0.88
			L-Proline	1.26	0.59
			L-Serine	0.95	0.45
			L-Threonine	1.54	0.73
			L-Tryptophan	1.13	0.53
			L-Tyrosine	1.87	0.88
			L-Valine	Nil Added	Nil Added
			L-Carnitine	0.05	0.02
			Taurine	0.12	0.06

Ingredients:

Cocoa Butter, Sugar, Amino Acids (L-Glutamine, L-Lysine Acetate, L-Alanine, L-Phenylalanine, L-Tyrosine, L-Threonine, L-Histidine, L-Asparagine Monohydrate, L-Proline, L-Tryptophan, L-Arginine, L-Serine, L-Glutamic Acid, L-Methionine, Glycine, L-Cystine, Taurine, L-Carnitine), Artificial Color (Partially Hydrogenated Vegetable Oil, Red 40 Lake, Yellow 6 Lake, Blue 1 Lake, Soy Lecithin), Artificial Flavor and Soy Lecithin.

CONTAINS: Soy.

Note: Must combine with an appropriate vitamin & mineral supplement when taken as the sole source of amino acid protein.



MSUD Aid

A leucine-, isoleucine-, valine-free powdered medical food for the dietary management of maple syrup urine disease in individuals over 1 year of age.

Main Features:

- Leucine-, isoleucine-, valine-free
- Contains a mixture of the other essential and non-essential amino acids, carbohydrate, and select vitamins, minerals and trace elements
- Unflavored powder
- MSUD Aid provides 60 g of protein equivalent per 100 g of powder
- Does not contain fat thereby allowing for greater flexibility in modifying energy intake

Indications:

- Maple syrup urine disease (MSUD)

For general guidance on administration, please follow instructions for Maxamaid or Maxamum brands on page 145.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
10143	49735-0101-43	-	4 x 200 g (7 oz)	500

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	250	42	Thiamin, mg	2.0	0.3
Protein Equivalent, g	60	10	Riboflavin, mg	2.5	0.4
Fat, g	0	0	Vitamin B ₆ , mg	2.0	0.3
Carbohydrate, g	3	0.5	Vitamin B ₁₂ , mcg	20	3.3
Amino Acids, g			Niacin, mg	25	4.2
L-Alanine	7.1	1.18	Folic Acid, mcg	400	67
L-Arginine	5.1	0.85	Pantothenic Acid, mcg	20	3.3
L-Aspartic Acid	12.1	2.02	Biotin, mcg	600	100
L-Cystine	2.1	0.35	Minerals		
L-Glutamic Acid	13.3	2.22	Calcium, mg	2500	417
Glycine	3.9	0.65	Phosphorus, mg	1500	250
L-Histidine	2.7	0.45	Magnesium, mg	300	50
L-Isoleucine	Nil Added	Nil Added	Iron, mg	25	4.2
L-Leucine	Nil Added	Nil Added	Zinc, mg	15	2.5
L-Lysine	7.1	1.18	Manganese, mg	3.5	0.58
L-Methionine	1.9	0.32	Copper, mcg	2500	417
L-Phenylalanine	3.8	0.63	Iodine, mcg	150	25
L-Proline	2.3	0.38	Sodium, mg (mEq)	1400 (60.9)	233 (10.2)
L-Serine	2.4	0.40	Potassium, mg (mEq)	2600 (66.7)	433 (11.1)
L-Threonine	3.3	0.55	Chloride, mg (mEq)	2800 (80)	467 (13.3)
L-Tryptophan	1.2	0.20			
L-Tyrosine	3.8	0.63			
L-Valine	Nil Added	Nil Added			

Ingredients:

L-Lysine L-Glutamate, L-Aspartic Acid, L-Alanine, Tripotassium Citrate, L-Glutamic Acid, Calcium Phosphate Dibasic, L-Arginine, Glycine, Sodium Chloride, L-Phenylalanine, L-Tyrosine, Calcium Phosphate Tribasic, L-Threonine, Hydrolyzed Cornstarch, L-Histidine, L-Serine, L-Proline, L-Cystine, L-Methionine, Magnesium, Acetate, L-Tryptophan, Potassium Chloride, Calcium Chloride, Ferrous Sulfate, Zinc Sulfate, Niacinamide, Calcium-D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Pyridoxine Hydrochloride, Riboflavin, Thiamin Hydrochloride, Biotin, Folic Acid, Potassium Iodide, Cyanocobalamin.



IVA Anamix® Early Years

A leucine-free powdered infant formula with iron, for the dietary management of isovaleric acidemia (IVA). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- Leucine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Isovaleric acidemia
- Other proven disorders of leucine metabolism

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90211	49735-0102-11	B4162	6 x 400 g (14 oz)	1892

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.74	0.55	Inositol, mg	98.0	72.6
L-Arginine	1.21	0.90	Minerals		
L-Aspartic Acid	1.02	0.76	Calcium, mg	371	275
L-Cystine	0.44	0.33	Phosphorus, mg	270	200
L-Glutamic Acid	1.35	1	Magnesium, mg	52.5	38.9
L-Glutamine	0.11	0.08	Iron, mg	7.3	5.4
Glycine	2.18	1.6	Zinc, mg	5.2	3.9
L-Histidine	0.7	0.52	Manganese, mcg	390	289
L-Isoleucine	0.42	0.31	Copper, mcg	390	289
L-Leucine	Nil Added	Nil Added	Iodine, mcg	82.5	61.1
L-Lysine	1.06	0.79	Molybdenum, mcg	10.9	8.1
L-Methionine	0.3	0.22	Chromium, mcg	12.5	9.3
L-Phenylalanine	0.82	0.61	Selenium, mcg	14.1	10.4
L-Proline	2.19	1.6	Sodium, mg	171	127
L-Serine	0.68	0.50	Potassium, mg	454	336
L-Threonine	0.72	0.53	Chloride, mg	321	238
L-Tryptophan	0.27	0.20			
L-Tyrosine	0.8	0.59			
L-Valine	0.48	0.36			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-Hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Lysine L-Glutamate, L-Proline, Glycine, L-Arginine, Tricalcium Phosphate, L-Aspartic Acid, CAEM (an emulsifier), L-Tyrosine, L-Phenylalanine, L-Alanine, L-Threonine, L-Histidine, L-Serine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, L-Valine, L-Cystine, L-Isoleucine, Sodium Phosphate Dibasic, Magnesium Acetate, M. Alpina Oil*, L-Methionine, L-Glutamic Acid, L-Tryptophan, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin.

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



IVA Anamix® Next

A leucine-free powdered medical food for the dietary management of isovaleric acidemia in individuals over 1 year of age.

Main Features:

- Leucine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate (including a multi-fiber blend), fat (including DHA), vitamins, minerals, and trace elements
- Provides 28 g protein equivalent and 12.5 g fat per 100 g of powder
- Available in Plain
- Displacement: 0.72 mL/g

Indications:

- Isovaleric acidemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
89471	49735-0187-41	B4157 or B4162	6 x 400 g (14 oz)	1508

WIC[†] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	377	134.6	Vit A, IU (mcg R.E.)	1748 (525)	628 (187.5)
Protein Equivalent, g	28	10	Vit D, IU (mcg)	1052 (26.3)	379 (9.4)
Fat, g	12.5	4.5	Vit E, IU (mg- α -TE)	15.6 (10.5)	5.6 (3.8)
DHA, mg	180	64	Vit K, mcg	17.5	6.3
Carbohydrate, g	41.2	14.7	Thiamin, mg	1.2	0.43
Fiber, g	11.2	4.0	Riboflavin, mg	0.91	0.33
of which Soluble, g	8.0	2.9	Vit B ₆ , mg	0.91	0.33
of which Insoluble, g	3.2	1.1	Vit B ₁₂ , mcg	1.6	0.57
Amino Acids, g			Niacin, mg	2.5	0.89
L-Alanine	1.35	0.48	Folic Acid, mcg	263	93.9
L-Arginine	2.35	0.84	Pantothenic Acid, mg	5.3	1.9
L-Aspartic Acid	2.0	0.71	Biotin, mcg	14	5
L-Cystine	0.94	0.34	Vit C, mg	52.5	18.8
L-Glutamic acid	1.88	0.67	Choline, mg	280	100
L-Glutamine	3.16	1.1	Inositol, mg	70	25
Glycine	4.6	1.6	Minerals		
L-Histidine	1.4	0.50	Calcium, mg	1225	437.5
L-Isoleucine	0.92	0.33	Phosphorus, mg	801	286.1
L-Leucine	Nil Added	Nil Added	Magnesium, mg	140	50
L-Lysine	2.2	0.79	Iron, mg	12.5	4.5
L-Methionine	0.64	0.23	Zinc, mg	6.1	2.2
L-Phenylalanine	1.7	0.61	Manganese, mg	1.2	0.4
L-Proline	4.1	1.5	Copper, mcg	700	250
L-Serine	1.5	0.52	Iodine, mcg	174	62.1
L-Threonine	1.5	0.54	Molybdenum, mcg	31.9	11.4
L-Tryptophan	0.58	0.21	Chromium, mcg	12.8	4.6
L-Tyrosine	1.7	0.61	Selenium, mcg	35.3	12.6
L-Valine	1.0	0.37	Sodium, mg	350	125
L-Carnitine	0.02	0.01	Potassium, mg	556	198.6
Taurine	0.06	0.02	Chloride, mg	508	181.4

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Canola, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Sunflower), Glycine, L-Proline, Calcium Phosphate Dibasic, Fructo-oligosaccharides, L-Glutamine, Inulin, L-Lysine Acetate, Corn Starch, Microcrystalline Cellulose, L-Arginine, Artificial Flavor, Magnesium L-Aspartate, L-Phenylalanine, Tripotassium Citrate, L-Threonine, L-Serine, L-Histidine, L-Alanine, L-Valine, Trisodium Citrate, L-Cystine, L-Isoleucine, Maltodextrin, Choline Bitartrate, Calcium Chloride, L-Methionine, L-Tryptophan, CAEM (an emulsifier), C. Cohnii Oil**, L-Aspartic Acid, Sodium Chloride, L-Ascorbic Acid, M-Inositol, Soy Fiber, Taurine, Ferrous Sulfate, Sunflower Lecithin, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Niacinamide, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Ascorbyl Palmitate, Potassium iodide, Mixed Tocopherols, Sodium Molybdate, Sodium Selenite, Chromium Chloride, DL-alpha Tocopherol, Vitamin D₃, Phylloquinone, D-Biotin, Cyanocobalamin.

CONTAINS: Coconut, Soy.

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)



XLeu Maxamaid®

A leucine-free powdered medical food for the dietary management of isovaleric acidemia and other proven disorders of leucine metabolism in toddlers and younger children.

Main Features:

- Leucine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XLeu Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains < 1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Isovaleric acidemia
- Other proven disorders of leucine metabolism

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117791	49735-0177-91	B4162	6 x 454 g (1 lb)	1471

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g Protein Equivalent		Per 100 g	Per 10 g Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg α T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	1.36	0.54	Riboflavin, mg	0.8	0.3
L-Arginine	2.22	0.89	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	1.87	0.75	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.82	0.33	Niacin, mg	5	2
Glycine	3.99	1.60	Folic Acid, mcg	240	96
L-Histidine	1.28	0.51	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	0.78	0.31	Biotin, mcg	18	7.2
L-Leucine	Nil Added	Nil Added	Vitamin C, mg	62.5	25
L-Lysine	1.95	0.78	Choline, mg	250	100
L-Methionine	0.54	0.22	Inositol, mg	56	22
L-Phenylalanine	1.5	0.60	Minerals		
L-Proline	4.01	1.60	Calcium, mg	810	324
L-Serine	1.24	0.50	Phosphorus, mg	810	324
L-Threonine	1.32	0.53	Magnesium, mg	128	51
L-Tryptophan	0.5	0.20	Iron, mg	14	5.6
L-Tyrosine	1.45	0.58	Zinc, mg	11	4.4
L-Valine	0.87	0.35	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, L-Proline, Glycine, L-Arginine L-Aspartate, Calcium Phosphate Dibasic, Citric Acid, L-Lysine Acetate, Tripotassium Citrate, Artificial Flavors, L-Glutamine, L-Phenylalanine, L-Tyrosine, L-Alanine, L-Threonine, L-Histidine, L-Serine, Maltodextrin, Disodium Hydrogen Phosphate, L-Valine, L-Cystine, Sodium Chloride, L-Isoleucine, Magnesium Acetate, N-Acetyl L-Methionine, Choline Bitartrate, L-Tryptophan, Magnesium L-Aspartate, Taurine, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



XLeu Maxamum®

A leucine-free powdered medical food for the dietary management of isovaleric acidemia and other proven disorders of leucine metabolism in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Leucine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements (including iron, selenium and chromium)
- Age-appropriate DRI formulation
- XLeu Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Isovaleric acidemia
- Other proven disorders of leucine metabolism

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117790	49735-0177-90	B4157 or B4162	6 x 454 g (1 lb)	1385

WIC[†] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669)	557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3)	83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg α T.E.)	18.3 (12.3)	4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82	21
Amino Acids, g			Thiamin, mg	0.91	0.23
L-Alanine	2.2	0.55	Riboflavin, mg	0.97	0.24
L-Arginine	3.6	0.90	Vitamin B ₆ , mg	1.6	0.4
L-Aspartic Acid	3	0.75	Vitamin B ₁₂ , mcg	3.1	0.8
L-Cystine	1.3	0.33	Niacin, mg	5.7	1.4
L-Glutamic Acid	3.9	0.98	Folic Acid, mcg	491	123
Glycine	6.3	1.58	Pantothenic Acid, mg	4.9	1.2
L-Histidine	2.1	0.53	Biotin, mcg	24.5	6.1
L-Isoleucine	1.2	0.30	Vitamin C, mg	62	16
L-Leucine	Nil Added	Nil Added	Choline, mg	430	108
L-Lysine	3	0.75	Inositol, mg	80	20
L-Methionine	0.86	0.22	Minerals		
L-Phenylalanine	2.3	0.58	Calcium, mg	1183	296
L-Proline	6.3	1.58	Phosphorus, mg	1137	284
L-Serine	1.9	0.48	Magnesium, mg	306	77
L-Threonine	2.1	0.53	Iron, mg	14.7	3.7
L-Tryptophan	0.79	0.20	Zinc, mg	9	2
L-Tyrosine	2.3	0.58	Manganese, mg	1.8	0.5
L-Valine	1.4	0.35	Copper, mcg	820	205
L-Carnitine	0.04	0.01	Iodine, mcg	131	33
Taurine	0.14	0.04	Molybdenum, mcg	37	9
L-Glutamine	0.32	0.08	Chromium, mcg	26	7
			Selenium, mcg	58	15
			Sodium, mg (mEq)	560 (24.3)	140 (6.1)
			Potassium, mg (mEq)	700 (17.9)	175 (4.5)
			Chloride, mg (mEq)	560 (16)	140 (4)

Ingredients:

Sugar, L-Lysine L-Glutamate, L-Proline, Glycine, Corn Syrup Solids, Calcium Phosphate Dibasic, L-Arginine, L-Aspartic Acid, L-Phenylalanine, Artificial Flavor, L-Tyrosine, L-Alanine, L-Threonine, Citric Acid, L-Histidine, L-Serine, Magnesium Acetate, L-Valine, L-Cystine, L-Isoleucine, Tripotassium Citrate, Choline Bitartrate, Sodium Chloride, L-Methionine, L-Glutamic Acid, L-Tryptophan, Soy Lecithin, Disodium Hydrogen Phosphate, Dipotassium Hydrogen Phosphate, L-Glutamine, Tricalcium Phosphate, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Colors (Beta-Carotene, Beet Red), Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



GA-1 Anamix® Early Years

A lysine-free, low tryptophan powdered infant formula with iron, for the dietary management of glutaric aciduria type 1 (GA-1). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- Lysine-free, low tryptophan powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90217	49735-0102-17	B4162	6 x 400 g (14 oz)	1892

WIC[†] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.68	0.50	Inositol, mg	98.0	72.6
L-Arginine	1.18	0.87	Minerals		
L-Aspartic Acid	0.98	0.73	Calcium, mg	371	275
L-Cystine	0.45	0.33	Phosphorus, mg	270	200
L-Glutamic Acid	1.33	0.99	Magnesium, mg	52.5	38.9
L-Glutamine	0.11	0.08	Iron, mg	7.3	5.4
Glycine	1.06	0.79	Zinc, mg	5.2	3.9
L-Histidine	0.68	0.50	Manganese, mcg	390	289
L-Isoleucine	1.06	0.79	Copper, mcg	390	289
L-Leucine	1.81	1.3	Iodine, mcg	82.5	61.1
L-Lysine	Nil Added	Nil Added	Molybdenum, mcg	10.9	8.1
L-Methionine	0.29	0.21	Chromium, mcg	12.5	9.3
L-Phenylalanine	0.8	0.59	Selenium, mcg	14.1	10.4
L-Proline	1.29	0.96	Sodium, mg	171	127
L-Serine	0.8	0.59	Potassium, mg	454	336
L-Threonine	0.89	0.66	Chloride, mg	321	238
L-Tryptophan	0.09	0.07			
L-Tyrosine	0.8	0.59			
L-Valine	1.16	0.86			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Leucine, L-Glutamic Acid, L-Proline, L-Arginine, L-Valine, L-Isoleucine, Tricalcium Phosphate, Glycine, L-Aspartic Acid, CAEM (an emulsifier), L-Threonine, L-Tyrosine, L-Phenylalanine, L-Serine, L-Histidine, L-Alanine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, L-Cystine, Sodium Phosphate Dibasic, Magnesium Acetate, M. Alpina Oil*, L-Methionine, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, L-Tryptophan, Taurine, Ferrus Sulfate, Zinc Sulfate, L-Carnitine, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



XLys, XTrp Maxamaid®

A lysine- and tryptophan-free powdered medical food for the dietary management of glutaric acidemia type I in toddlers and young children.

Main Features:

- Lysine- and tryptophan-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XLys, XTrp Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains < 1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117780	49735-0177-80	B4162	6 x 454 g (1 lb)	1471

WIC[†] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 10 g Protein Equivalent	Vitamins	Per 100 g	Per 10 g Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg α T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	1.28	0.51	Riboflavin, mg	0.8	0.3
L-Arginine	2.23	0.89	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	1.86	0.74	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.83	0.33	Niacin, mg	14.5	5.8
Glycine	2	0.80	Folic Acid, mcg	240	96
L-Histidine	1.27	0.51	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	2	0.80	Biotin, mcg	18	7.2
L-Leucine	3.42	1.37	Vitamin C, mg	62.5	25
L-Lysine	Nil Added	Nil Added	Choline, mg	250	100
L-Methionine	0.53	0.21	Inositol, mg	56	22
L-Phenylalanine	1.51	0.60	Minerals		
L-Proline	2.42	0.97	Calcium, mg	810	324
L-Serine	1.49	0.60	Phosphorus, mg	810	324
L-Threonine	1.68	0.67	Magnesium, mg	128	51
L-Tryptophan	Nil Added	Nil Added	Iron, mg	14	5.6
L-Tyrosine	1.51	0.60	Zinc, mg	11	4.4
L-Valine	2.18	0.87	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, L-Arginine L-Aspartate, Calcium Phosphate Dibasic, L-Leucine, Citric Acid, Tripotassium Citrate, L-Proline, L-Valine, Glycine, L-Isoleucine, Artificial Flavors, L-Threonine, L-Glutamine, L-Phenylalanine, L-Tyrosine, L-Serine, L-Histidine, L-Alanine, Maltodextrin, Disodium Hydrogen Phosphate, L-Cystine, Sodium Chloride, Magnesium Acetate, N-Acetyl L-Methionine, Choline Bitartrate, Magnesium L-Aspartate, Taurine, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta-Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



XLys, XTrp Maxamum®

A lysine- and tryptophan-free powdered medical food for the dietary management of glutaric acidemia type I in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Lysine- and tryptophan-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XLys, XTrp Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117788	49735-0177-88	B4157 or B4162	6 x 454 g (1 lb)	1385

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g		Per 100 g	Per 10 g
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669)	557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3)	83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg α T.E.)	18.3 (12.3)	4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82	21
Amino Acids, g			Thiamin, mg	0.91	0.23
L-Alanine	2	0.50	Riboflavin, mg	0.97	0.24
L-Arginine	3.5	0.88	Vitamin B ₆ , mg	1.6	0.4
L-Aspartic Acid	2.9	0.73	Vitamin B ₁₂ , mcg	3.1	0.8
L-Cystine	1.3	0.33	Niacin, mg	12	3.0
L-Glutamic Acid	3.9	0.98	Folic Acid, mcg	491	123
Glycine	3.1	0.78	Pantothenic Acid, mg	4.9	1.2
L-Histidine	2	0.50	Biotin, mcg	24.5	6.1
L-Isoleucine	3.1	0.78	Vitamin C, mg	62	16
L-Leucine	5.3	1.33	Choline, mg	430	108
L-Lysine	Nil Added	Nil Added	Inositol, mg	80	20
L-Methionine	0.82	0.21	Minerals		
L-Phenylalanine	2.3	0.58	Calcium, mg	1183	296
L-Proline	3.7	0.93	Phosphorus, mg	1137	284
L-Serine	2.3	0.58	Magnesium, mg	306	77
L-Threonine	2.6	0.65	Iron, mg	14.7	3.7
L-Tryptophan	Nil Added	Nil Added	Zinc, mg	9	2
L-Tyrosine	2.3	0.58	Manganese, mg	1.8	0.5
L-Valine	3.4	0.85	Copper, mcg	820	205
L-Carnitine	0.039	0.01	Iodine, mcg	131	33
Taurine	0.14	0.04	Molybdenum, mcg	37	9
L-Glutamine	0.32	0.08	Chromium, mcg	26	7
			Selenium, mcg	58	15
			Sodium, mg (mEq)	560 (24.3)	140 (6.1)
			Potassium, mg (mEq)	700 (17.9)	175 (4.4)
			Chloride, mg (mEq)	560 (16)	140 (4)

Ingredients:

Sugar, L-Leucine, Corn Syrup Solids, Calcium Phosphate Dibasic, L-Glutamic Acid, L-Proline, L-Arginine, L-Valine, Glycine, L-Isoleucine, L-Aspartic Acid, L-Threonine, Artificial Flavor, L-Phenylalanine, L-Tyrosine, L-Serine, Citric Acid, L-Alanine, L-Histidine, Magnesium Acetate, L-Cystine, Tripotassium Citrate, Choline Bitartrate, Sodium Chloride, L-Methionine, Soy Lecithin, Disodium Hydrogen Phosphate, Dipotassium Hydrogen Phosphate, L-Glutamine, Tricalcium Phosphate, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Colors (Beta-Carotene, Beet Red), Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



GlutarAde™ Junior GA-1 Drink Mix

A lysine-free and low tryptophan powdered medical food for the dietary management of glutaric aciduria type 1 (GA-1) in young children.

Main Features:

- Lysine-free
- Amino acid profile specifically designed for GA-1; clinically researched in one study[†]
- Contains arginine and 60 mg of tryptophan per 100 g powder
- Contains a source of Omega-3 fatty acids
- Complete with vitamins and minerals
- Mild neutral flavor
- Provides 10 g protein equivalent per 100 g powder
- Displacement: 0.6 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
7510	00847-0751-02	B4157 or B4162	4 x 400 g (14.1 oz)	1640

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

[†] Strauss KA, et al. Mol Genet Metab. 2011.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal	Vitamins	Per 100 g	Per 100 kcal
Calories	410	100	Vitamin A, IU (mcg R.E.)	1373 (412)	335 (101)
Protein Equivalent, g	10	2.5	Vitamin D, IU (mcg)	525 (13.1)	128 (3.2)
Carbohydrate, g	69	17	Vitamin E, IU (mg α T.E.)	8.5 (5.7)	2.1 (1.4)
Fat, g	10	2.5	Vitamin K, mcg	34	8.3
Saturated Fat, g	2	0.48	Thiamin, mg	0.83	0.2
Monounsaturated Fat, g	5.3	1.3	Riboflavin, mg	0.69	0.17
Polyunsaturated Fat, g	2.6	0.63	Vitamin B ₆ , mg	0.66	0.16
Linoleic Acid, mg	1901	463	Vitamin B ₁₂ , mcg	1.4	0.35
α-Linolenic Acid, mg	721	176	Niacin, mg	6.6	1.6
Amino Acids, g			Folic Acid, mcg	150	37
L-Alanine	0.48	0.12	Pantothenic Acid, mg	6	1.5
L-Arginine	1.08	0.26	Biotin, mcg	31	7.6
L-Asparagine	0.72	0.18	Vitamin C, mg	56	13.6
L-Cystine	0.18	0.04	Choline, mg	213	52
L-Glutamic Acid	0.36	0.09	Inositol, mg	125	30
L-Glutamine	1.80	0.44	Minerals		
Glycine	0.24	0.06	Calcium, mg	460	112
L-Histidine	0.36	0.09	Phosphorus, mg	400	97
L-Isoleucine	0.84	0.21	Magnesium, mg	60	14.6
L-Leucine	1.38	0.34	Iron, mg	8	2
L-Lysine	Nil Added	Nil Added	Zinc, mg	7	1.6
L-Methionine	0.41	0.10	Manganese, mg	0.43	0.1
L-Ornithine	0.24	0.06	Copper, mg	0.5	0.12
L-Phenylalanine	0.64	0.16	Iodine, mcg	90	22
L-Proline	0.60	0.15	Molybdenum, mcg	18	4.4
L-Serine	0.24	0.06	Chromium, mcg	12	2.9
L-Threonine	0.64	0.16	Selenium, mcg	40	9.7
L-Tryptophan	0.06	0.01	Sodium, mg	221	54
L-Tyrosine	0.72	0.18	Potassium, mg	589	144
L-Valine	0.96	0.23	Chloride, mg	332	81
L-Carnitine	0.03	0.01			
Taurine	0.06	0.01			

Ingredients:

Corn Syrup Solids, Modified Food Starch, Canola Oil, Maltodextrin, Safflower Oil, Natural and Artificial Flavor, L-Glutamine, L-Leucine, Tricalcium Phosphate, L-Arginine, L-Valine, Coconut Oil, Soybean Oil, L-Isoleucine, L-Asparagine Monohydrate, Dipotassium Phosphate, Flaxseed Oil, L-Tyrosine, L-Phenylalanine, L-Threonine, L-Proline, Choline Bitartrate, Potassium Chloride, L-Ornithine-Alpha Ketoglutarate, L-Alanine, Magnesium Phosphate, L-Methionine, L-Glutamic Acid, L-Histidine, Glycine, L-Serine, Ascorbyl Palmitate, Sodium Citrate, Mixed Tocopherols, Rosemary Extract, L-Cystine, Sodium Chloride, Inositol, Silicon Dioxide, Ascorbic Acid, L-Tryptophan, Taurine, Ferrous Sulfate, Calcium Phosphate, L-Carnitine, Zinc Sulfate, Vitamin E Acetate, Niacinamide, Calcium D-Pantothenate, Mono- and Diglycerides, Vitamin A Palmitate, Vitamin D₃, Copper Gluconate, Vitamin K₁, D-Biotin, Manganese Sulfate, Sodium Selenite, Thiamin Mononitrate, Pyridoxine Hydrochloride, Riboflavin, Potassium Iodide, Chromium Chloride, Folic Acid, Vitamin B₁₂ and Sodium Molybdate.

CONTAINS: Coconut, Soy.



GlutarAde™ Essential GA-1 Drink Mix

A lysine-free and low tryptophan powdered medical food for the dietary management of glutaric aciduria type 1 (GA-1) in children and adults, including pregnant women and women of child bearing age.

Main Features:

- Lysine-free
- Amino acid profile specifically designed for GA-1; clinically researched in one study[†]
- Contains arginine and 150 mg of tryptophan per 100 g powder
- Contains a source of Omega-3 fatty acids
- Provides 25 g protein equivalent per 100 g powder
- Vanilla flavor
- Osmolality (mOsm/kg): 797
Based on standard dilution
- Displacement: 0.75 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
7542	00847-0754-22	B4157 or B4162	4 x 454 g (1 lb)	1748

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	(1scoop)		Per 100 g	(1scoop)
Calories	385	154	Vitamin A, IU (mcg R.E.)	1700 (637)	680 (255)
Protein Equivalent, g	25	10	(25% as beta-carotene)		
Carbohydrate, g	45	18	Vitamin D, IU (mcg)	600 (15)	240 (6)
Soluble Fiber, g	3.9	1.5	Vitamin E, IU (mg α T.E.)	19.1 (12.8)	7.6 (5.1)
Fat, g	13	5	Vitamin K, mcg	70	28
Saturated Fat, g	2.3	0.92	Thiamin, mg	1.5	0.6
Monounsaturated Fat, g	7.6	3	Riboflavin, mg	1.5	0.6
Polyunsaturated Fat, g	2.9	1.1	Vitamin B ₆ , mg	1.4	0.56
Linoleic Acid, mg	2232	893	Vitamin B ₁₂ , mcg	3	1.2
α-Linolenic Acid, mg	687	275	Niacin, mg	15.5	6.2
Amino Acids, g			Folic Acid, mcg	300	120
L-Alanine	1.20	0.48	Pantothenic Acid, mg	7.5	3
L-Arginine	2.7	1.08	Biotin, mcg	30	12
L-Asparagine	1.8	0.72	Vitamin C, mg	60	24
L-Cystine	0.45	0.18	Choline, mg	313	125
L-Glutamic Acid	0.9	0.36	Inositol, mg	50	20
L-Glutamine	4.51	1.8	Minerals:		
Glycine	0.6	0.24	Calcium, mg	1257	503
L-Histidine	0.9	0.36	Phosphorus, mg	787	315
L-Isoleucine	2.1	0.84	Magnesium, mg	201	80
L-Leucine	3.46	1.38	Iron, mg	11.3	4.5
L-Lysine	Nil Added	Nil Added	Zinc, mg	10	4
L-Methionine	1.02	0.41	Manganese, mg	1.9	0.76
L-Ornithine	0.6	0.24	Copper, mg	1	0.4
L-Phenylalanine	1.59	0.64	Iodine, mcg	115	46
L-Proline	1.5	0.6	Molybdenum, mcg	31	12.4
L-Serine	0.6	0.24	Chromium, mcg	21	8.6
L-Threonine	1.59	0.64	Selenium, mcg	63	25
L-Tryptophan	0.15	0.06	Sodium, mg	384	154
L-Tyrosine	1.8	0.72	Potassium, mg	874	350
L-Valine	2.4	0.96	Chloride, mg	475	190
L-Carnitine	0.04	0.01			
Taurine	0.15	0.06			

Ingredients:

Sugar, Modified Corn Starch, Canola Oil, Maltodextrin, Safflower Oil, Dextrin, L-Glutamine, L-Leucine, Natural and Artificial Flavor, L-Arginine, Dicalcium Phosphate, L-Valine, L-Isoleucine, L-Asparagine Monohydrate, L-Tyrosine, Tricalcium Phosphate, L-Phenylalanine, L-Threonine, L-Proline, Potassium Citrate, L-Ornithine-Alpha Ketoglutarate, L-Alanine, Coconut Oil, Soybean Oil, L-Methionine, Sodium Citrate, Potassium Chloride, L-Glutamic Acid, L-Histidine, Choline Bitartrate, Glycine, L-Serine, L-Cystine, Flaxseed Oil, Magnesium Oxide, Ascorbyl Palmitate, Mixed Tocopherols, Rosemary Extract, Silicon Dioxide, L-Tryptophan, Taurine, Sodium Chloride, Ascorbic Acid, Inositol, Ferric Orthophosphate, Vitamin E Acetate, L-Carnitine, Niacinamide, Calcium Phosphate, Zinc Oxide, Sucralose (4mg/40g Powder), D-Calcium Pantothenate, Copper Gluconate, Vitamin K₁, Vitamin D₃, Manganese Sulfate, Vitamin A Palmitate, Mono- and Diglycerides, D-Biotin, Beta-carotene, Pyridoxine Hydrochloride, Potassium Iodide, Riboflavin, Thiamin Mononitrate, Sodium Selenite, Folic Acid, Vitamin B₁₂, Chromium Chloride and Sodium Molybdate.

CONTAINS: Coconut, Soy.

[†] Strauss KA, et al. Mol Genet Metab. 2011.

* S9435 = For individuals who submit their bills to insurance on their own.



GlutarAde™ Amino Acid Blend

A lysine-free and low tryptophan powdered medical food for the dietary management of glutaric aciduria type 1 (GA-1) in children and adults.

Main Features:

- Lysine-free
- Amino acid profile specifically designed for GA-1; clinically researched in one study[†]
- Contains arginine and 480 mg of tryptophan per 100 g powder
- Does not contain fat, carbohydrates, vitamins and minerals
- 40 calories per serving
- Provides 81 g of protein equivalent per 100 g of powder
- Unflavored
- Displacement: 0.48 mL/g

Indications:

- Glutaric acidemia type I

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
7500	00847-0750-00	B4155 or B9998	4 x 454 g (1 lb)	1471

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g	Per 10 g Protein Equivalent (1 scoop)	Amino Acids, g		
			Per 100 g	Per 10 g Protein Equivalent (1 scoop)	
Calories	324	40	L-Alanine	3.86	0.48
Protein Equivalent, g	81	10	L-Arginine	8.69	1.07
Carbohydrate, g	0	0	L-Asparagine	5.79	0.71
Fat, g	0	0	L-Cystine	1.45	0.18
Sodium, mg	355	44	L-Glutamic Acid	2.90	0.36
			L-Glutamine	14.48	1.79
			Glycine	1.93	0.24
			L-Histidine	2.90	0.36
			L-Isoleucine	6.76	0.83
			L-Leucine	11.10	1.37
			L-Lysine	Nil Added	Nil Added
			L-Methionine	3.28	0.41
			L-Ornithine	1.93	0.24
			L-Phenylalanine	5.12	0.63
			L-Proline	4.83	0.60
			L-Serine	1.93	0.24
			L-Threonine	5.12	0.63
			L-Tryptophan	0.48	0.06
			L-Tyrosine	5.79	0.71
			L-Valine	7.72	0.95
			L-Carnitine	0.20	0.03
			Taurine	0.48	0.06

Ingredients:

L-Glutamine, L-Leucine, L-Arginine, L-Valine, L-Isoleucine, L-Asparagine Monohydrate, L-Tyrosine, L-Phenylalanine, L-Threonine, L-Proline, L-Ornithine-Alpha Ketoglutarate, L-Alanine, L-Methionine, L-Glutamic Acid, L-Histidine, Glycine, L-Serine, L-Cystine, Taurine, L-Tryptophan, Silicon Dioxide and L-Carnitine.

Note: Must combine with an appropriate vitamin & mineral supplement when taken as the sole source of amino acid protein.

[†] Strauss KA, et al. Mol Genet Metab. 2011.

* S9435 = For individuals who submit their bills to insurance on their own.



HCU Anamix® Early Years

A methionine-free powdered infant formula with iron, for the dietary management of Vitamin B₆ non-responsive homocystinuria or hypermethioninemia. Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- Methionine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Vitamin B₆ non-responsive homocystinuria
- Hypermethioninemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90169	49735-0101-69	B4162	6 x 400 g (14 oz)	1892

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B ₆ , mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.64	0.47	Inositol, mg	98.0	72.6
L-Arginine	1.09	0.81	Minerals		
L-Aspartic Acid	0.93	0.69	Calcium, mg	371	275
L-Cystine	0.41	0.30	Phosphorus, mg	270	200
L-Glutamic Acid	1.22	0.90	Magnesium, mg	52.5	38.9
L-Glutamine	0.11	0.08	Iron, mg	7.3	5.4
Glycine	0.99	0.73	Zinc, mg	5.2	3.9
L-Histidine	0.62	0.46	Manganese, mcg	390	289
L-Isoleucine	0.98	0.73	Copper, mcg	390	289
L-Leucine	1.67	1.2	Iodine, mcg	82.5	61.1
L-Lysine	1.14	0.84	Molybdenum, mcg	10.9	8.1
L-Methionine	Nil Added	Nil Added	Chromium, mcg	12.5	9.3
L-Phenylalanine	0.74	0.55	Selenium, mcg	14.1	10.4
L-Proline	1.18	0.87	Sodium, mg	171	127
L-Serine	0.73	0.54	Potassium, mg	454	336
L-Threonine	0.82	0.61	Chloride, mg	321	238
L-Tryptophan	0.33	0.24			
L-Tyrosine	0.74	0.55			
L-Valine	1.07	0.79			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-Hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Lysine L-Glutamate, L-Leucine, L-Proline, Tricalcium Phosphate, L-Arginine, L-Valine, Glycine, L-Isoleucine, CAEM (an emulsifier), L-Aspartic Acid, L-Threonine, L-Serine, L-Phenylalanine, L-Tyrosine, L-Alanine, L-Histidine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, Sodium Phosphate Dibasic, L-Cystine, Magnesium Acetate, M. Alpina Oil*, L-Tryptophan, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, L-Glutamic Acid, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



HCU Anamix® Next

A methionine-free, powdered medical food for the dietary management of homocystinuria in individuals over 1 year of age.

Main Features:

- Methionine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate (including a multi-fiber blend), fat (including DHA), vitamins, minerals, and trace elements
- Provides 28 g protein equivalent and 12.5 g fat per 100 g of powder
- Available in Plain
- Displacement: 0.72 mL/g

Indications:

- Homocystinuria

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
89470	49735-0194-70	B4162 B4157	6 x 400 g	1540

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	385	137.5	Vit A, IU (mcg R.E.)	1399 (420)	500 (150)
Protein Equivalent, g	28	10	Vit D, IU (mcg)	840 (21)	300 (7.5)
Fat, g	12.5	4.5	Vit E, IU (mg- α -TE)	12.5 (8.4)	4.5 (3)
DHA, mg	180	64	Vit K, mcg	14	5
Carbohydrate, g	43.2	15.4	Thiamin, mg	0.93	0.33
Fiber, g	11.2	4	Riboflavin, mg	0.73	0.26
of which Soluble, g	8	2.9	Vit B ₆ , mg	0.73	0.26
of which Insoluble, g	3.2	1.1	Vit B ₁₂ , mcg	1.3	0.5
Amino Acids, g			Niacin, mg	2.0	0.71
L-Alanine	1.4	0.5	Folic Acid, mcg	210	75
L-Arginine	2.25	0.8	Pantothenic Acid, mg	4.2	1.5
L-Aspartic Acid	2	0.71	Biotin, mcg	11.2	4
L-Cystine	1.5	0.54	Vit C, mg	42	15
L-Glutamine	2.6	0.93	Choline, mg	224	80
Glycine	2.13	0.76	Inositol, mg	56	20
L-Histidine	1.22	0.44	Minerals		
L-Isoleucine	2.1	0.75	Calcium, mg	980	350
L-Leucine	3.46	1.24	Phosphorus, mg	641	229
L-Lysine	2.44	0.87	Magnesium, mg	113	40
L-Methionine	Nil Added	Nil Added	Iron, mg	10	3.6
L-Phenylalanine	1.5	0.54	Zinc, mg	4.9	1.8
L-Proline	2.52	0.9	Manganese, mg	0.92	0.33
L-Serine	1.57	0.56	Copper, mcg	560	200
L-Threonine	2	0.71	Iodine, mcg	139	49.6
L-Tryptophan	0.5	0.18	Molybdenum, mcg	25.5	9.1
L-Tyrosine	1.6	0.57	Chromium, mcg	10.2	3.6
L-Valine	2.3	0.82	Selenium, mcg	28.2	10.1
L-Carnitine	0.02	0.01	Sodium, mg	280	100
Taurine	0.05	0.02	Potassium, mg	445	158.9
			Chloride, mg	406	145

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Canola, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Sunflower), L-Arginine L-Aspartate, L-Leucine, Fructo-oligosaccharides, L-Lysine Acetate, Inulin, Corn Starch, L-Glutamine, Calcium Phosphate Dibasic, L-Proline, Microcrystalline Cellulose, L-Valine, Artificial Flavor, Glycine, L-Isoleucine, L-Threonine, Gum Arabic, L-Tyrosine, L-Serine, L-Cystine, L-Phenylalanine, L-Alanine, Tripotassium Citrate, Trisodium Citrate, L-Histidine, Calcium Chloride, Magnesium Hydrogen Phosphate, Maltodextrin, Choline Bitartrate, CAEM (an emulsifier), L-Tryptophan, C. Cohnii Oil**, Magnesium L-Aspartate, Tricalcium Citrate, L-Ascorbic Acid, Soy Fiber, M-Inositol, Taurine, Ferrous Sulfate, Sunflower Lecithin, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Niacinamide, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Ascorbyl Palmitate, Folic Acid, Potassium iodide, Mixed Tocopherols, Sodium Molybdate, Sodium Selenite, Chromium Chloride, DL-alpha Tocopherol, Vitamin D₃, Phylloquinone, D-Biotin, Cyanocobalamin

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

CONTAINS: Coconut, Soy.



XMet Maxamaid®

A methionine-free powdered medical food for the dietary management of Vitamin B₆ non-responsive homocystinuria or hypermethioninemia in toddlers and young children.

Main Features:

- Methionine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XMet Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Vitamin B₆ non-responsive homocystinuria
- Hypermethioninemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117787	49735-0177-87	B4162	6 x 454 g (1 lb)	1471

WIC[†] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg α-T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	1.16	0.46	Riboflavin, mg	0.8	0.3
L-Arginine	2.04	0.82	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	1.70	0.68	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.75	0.30	Niacin, mg	5	2
Glycine	1.81	0.72	Folic Acid, mcg	240	96
L-Histidine	1.16	0.46	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	1.81	0.72	Biotin, mcg	18	7.2
L-Leucine	3.1	1.24	Vitamin C, mg	62.5	25
L-Lysine	2.1	0.84	Choline, mg	250	100
L-Methionine	Nil Added	Nil Added	Inositol, mg	56	22
L-Phenylalanine	1.37	0.55	Minerals		
L-Proline	2.19	0.88	Calcium, mg	810	324
L-Serine	1.35	0.54	Phosphorus, mg	810	324
L-Threonine	1.52	0.61	Magnesium, mg	128	51
L-Tryptophan	0.61	0.24	Iron, mg	14	5.6
L-Tyrosine	1.37	0.55	Zinc, mg	11	4.4
L-Valine	1.97	0.79	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, Calcium Phosphate Dibasic, L-Arginine L-Aspartate, L-Leucine, L-Lysine Acetate, Citric Acid, Tripotassium Citrate, L-Proline, L-Valine, Artificial Flavors, Glycine, L-Isoleucine, L-Threonine, L-Glutamine, L-Phenylalanine, L-Tyrosine, L-Serine, L-Alanine, L-Histidine, Maltodextrin, Disodium Hydrogen Phosphate, Sodium Chloride, Magnesium Acetate, L-Cystine, Choline Bitartrate, L-Tryptophan, Taurine, Magnesium L-Aspartate, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta-Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



XMet Maxamum[®]

A methionine-free powdered medical food for the dietary management of Vitamin B₆ non-responsive homocystinuria or hypermethioninemia in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Methionine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XMet Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains < 1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Vitamin B₆ non-responsive homocystinuria
- Hypermethioninemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117795	49735-0177-95	B4157 or B4162	6 x 454 g (1 lb)	1385

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g		Per 100 g	Per 10 g
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669)	557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3)	83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg α T.E.)	18.3 (12.3)	4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82	21
Amino Acids, g			Thiamin, mg	0.91	0.23
L-Alanine	1.8	0.45	Riboflavin, mg	0.97	0.24
L-Arginine	3.2	0.80	Vitamin B ₆ , mg	1.6	0.4
L-Aspartic Acid	2.7	0.68	Vitamin B ₁₂ , mcg	3.1	0.8
L-Cystine	1.2	0.30	Niacin, mg	5.7	1.4
L-Glutamic Acid	3.6	0.90	Folic Acid, mcg	491	123
Glycine	2.8	0.70	Pantothenic Acid, mg	4.9	1.2
L-Histidine	1.8	0.45	Biotin, mcg	24.5	6.1
L-Isoleucine	2.8	0.70	Vitamin C, mg	62	16
L-Leucine	4.9	1.23	Choline, mg	430	108
L-Lysine	3.3	0.83	Inositol, mg	80	20
L-Methionine	Nil Added	Nil Added	Minerals		
L-Phenylalanine	2.2	0.55	Calcium, mg	1183	296
L-Proline	3.4	0.85	Phosphorus, mg	1137	284
L-Serine	2.1	0.53	Magnesium, mg	306	77
L-Threonine	2.4	0.60	Iron, mg	14.7	3.7
L-Tryptophan	0.95	0.24	Zinc, mg	9	2
L-Tyrosine	2.2	0.55	Manganese, mg	1.8	0.5
L-Valine	3.1	0.78	Copper, mcg	820	205
L-Carnitine	0.039	0.01	Iodine, mcg	131	33
Taurine	0.14	0.04	Molybdenum, mcg	37	9
L-Glutamine	0.32	0.08	Chromium, mcg	26	7
			Selenium, mcg	58	15
			Sodium, mg (mEq)	560 (24.3)	140 (6.1)
			Potassium, mg (mEq)	700 (17.9)	175 (4.5)
			Chloride, mg (mEq)	560 (16)	140 (4)

Ingredients:

Sugar, L-Lysine L-Glutamate, Corn Syrup Solids, L-Leucine, Calcium Phosphate Dibasic, L-Proline, L-Arginine, L-Valine, Glycine, L-Isoleucine, L-Aspartic Acid, L-Threonine, Artificial Flavor, L-Phenylalanine, L-Tyrosine, L-Serine, Citric Acid, Magnesium Acetate, L-Alanine, L-Histidine, Tripotassium Citrate, L-Cystine, Choline Bitartrate, L-Tryptophan, Sodium Chloride, Soy Lecithin, Disodium Hydrogen Phosphate, Dipotassium Hydrogen Phosphate, L-Glutamine, Tricalcium Phosphate, L-Glutamic Acid, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Colors (Beta-Carotene, Beet Red), Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



HCU Lophlex® LQ

A methionine-free*, ready-to-drink medical food containing amino acids, carbohydrates, vitamins, minerals and DHA, based on mixed fruit juices (from concentrate) with natural flavor; for the dietary management of proven homocystinuria in individuals 4 years and older, including pregnant women and women of child-bearing age.

Main Features:

- Methionine-free
- Low volume; provides 20 g PE in just 4.2 fl oz (125 mL)
- Convenient ready-to-drink
- Based on fruit juices (from concentrate) with natural flavor - no artificial flavors
- Contains a balanced mixture of other essential and non-essential amino acids, carbohydrates, vitamins, minerals and DHA
- Provides 150 mg DHA per pouch
- Available in mixed berry blast flavor
- Osmolality: 2460 mOsm/kg

Indications:

- Homocystinuria

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Pouch
82111	49735-0167-48	B4157 or B4162	30 X 4.2 fl oz (125 mL)	120

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per Pouch	Per 10 g	Vitamins	Per Pouch	Per 10 g
	(4.2 fl oz)	Protein Equivalent		(4.2 fl oz)	Protein Equivalent
Calories	120.0	60.0	Vitamin A, IU (mcg R.E.)	949 (285)	475 (143)
Protein Equivalent, g	20.0	10.0	Vitamin D, IU (mcg)	320 (8.0)	160 (4.0)
Fat, g	0.44	0.22	Vitamin E, IU (mg α T.E.)	4.8 (3.2)	2.4 (1.6)
DHA, mg	150	75.0	Vitamin K, mcg	24.9	12.5
Carbohydrate, g	9.3	4.7	Thiamin, mg	0.54	0.27
Fiber, g	0.50	0.25	Riboflavin, mg	0.50	0.25
Amino Acids, g			Vitamin B ₆ , mg	0.58	0.29
L-Alanine	1.18	0.59	Vitamin B ₁₂ , mcg	1.8	0.90
L-Arginine	1.50	0.75	Niacin, mg	7.1	3.6
L-Aspartic Acid	1.73	0.87	Folic Acid, mcg	120	60.0
L-Cystine	0.98	0.49	Pantothenic Acid, mg	1.8	0.9
Glycine	1.60	0.80	Biotin, mcg	53.4	26.7
L-Histidine	0.85	0.43	Vitamin C, mg	17.8	8.9
L-Isoleucine	1.35	0.68	Choline, mg	153	76.5
L-Leucine	2.30	1.15	Inositol, mg	40.6	20.3
L-Lysine	1.55	0.78	Minerals		
L-Methionine	Trace*	Trace*	Calcium, mg	319	160
L-Phenylalanine	1.00	0.50	Phosphorus, mg	244	122
L-Proline	2.03	1.02	Magnesium, mg	96.3	48.2
L-Serine	1.38	0.69	Iron, mg	5.1	2.6
L-Threonine	1.13	0.57	Zinc, mg	3.8	1.9
L-Tryptophan	0.45	0.23	Manganese, mg	0.56	0.28
L-Tyrosine	1.65	0.83	Copper, mcg	563	282
L-Valine	1.45	0.73	Iodine, mcg	56.3	28.2
L-Carnitine	0.01	0.01	Molybdenum, mcg	25.0	12.5
Taurine	0.06	0.03	Chromium, mcg	10.8	5.4
			Selenium, mcg	26.8	13.4
			Sodium, mg (mmol)	<25.0 (<10)	<12.5 (<5)
			Potassium, mg (mmol)	90 (2.3)	45 (1.2)
			Chloride, mg (mmol)	<25.0 (<10)	<12.5 (<5)

Ingredients:

Water, Apple Juice from Concentrate (34.1%), Grape Juice from Concentrate (6.9%), Blackcurrant Juice from Concentrate (2.5%), L-Arginine L-Aspartate, L-Leucine, L-Lysine Acetate, Citric Acid, L-Proline, L-Tyrosine, Glycine, L-Valine, L-Serine, L-Isoleucine, Corn Syrup Solids, Dicalcium Phosphate, L-Alanine, L-Threonine, L-Phenylalanine, L-Cystine, L-Histidine, Elderberry Juice from Concentrate (0.6%), Maltodextrin, Magnesium L-Aspartate, Magnesium Acetate, L-Tryptophan, Choline Bitartrate, C. Cohnii Oil*, Sugar, Microcrystalline Cellulose, Natural Flavor, Fruit Concentrate (Apple, Blackcurrant, Radish), L-Ascorbic Acid, Taurine, Guar Gum, Sunflower Lecithin, Xanthan Gum, M-Inositol, Potassium Sorbate (preservative to delay spoilage), Artificial Sweetener: Sucralose, Artificial Sweetener: Acesulfame Potassium, Ferrous Lactate, Sodium Benzoate (preservative to delay spoilage), Zinc Sulfate, L-Carnitine, Niacinamide, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Potassium Iodide, Ascorbyl Palmitate, Mixed Tocopherols, Sodium Molybdate, D-Biotin, Sodium Selenite, Chromium Chloride, Phylloquinone, Vitamin D₃, Cyanocobalamin.

Contains 44.1% juice.

*A Source of Docosahexaenoic Acid (DHA).

*May contain traces of methionine from fruit juice (from concentrate) at a level of <2 mg per 100 mL.



MMA/PA Anamix® Early Years

A methionine-, threonine- and valine-free, low in isoleucine powdered infant formula with iron, for the dietary management of methylmalonic or propionic acidemia (MMA/PA). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- A methionine-, threonine- and valine-free, low in isoleucine powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Methylmalonic acidemia
- Propionic acidemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90215	49735-0102-15	B4162	6 x 400 g (14 oz)	1892

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	1.6	1.2	Inositol, mg	98.0	72.6
L-Arginine	1.4	1.0	Minerals		
L-Aspartic Acid	1.27	0.94	Calcium, mg	371	275
L-Cystine	0.51	0.38	Phosphorus, mg	270	200
L-Glutamic Acid	1.59	1.2	Magnesium, mg	52.5	38.9
L-Glutamine	0.11	0.08	Iron, mg	7.3	5.4
Glycine	0.64	0.47	Zinc, mg	5.2	3.9
L-Histidine	0.94	0.70	Manganese, mcg	390	289
L-Isoleucine	<0.01	<0.01	Copper, mcg	390	289
L-Leucine	2.12	1.6	Iodine, mcg	82.5	61.1
L-Lysine	1.43	1.1	Molybdenum, mcg	10.9	8.1
L-Methionine	Nil Added	Nil Added	Chromium, mcg	12.5	9.3
L-Phenylalanine	0.93	0.69	Selenium, mcg	14.1	10.4
L-Proline	0.64	0.47	Sodium, mg	171	127
L-Serine	0.89	0.66	Potassium, mg	454	336
L-Threonine	Nil Added	Nil Added	Chloride, mg	321	238
L-Tryptophan	0.41	0.30			
L-Tyrosine	0.93	0.69			
L-Valine	Nil Added	Nil Added			
L-Carnitine	0.01	0.01			
Taurine	0.02	0.01			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Lysine L-Glutamate, L-Leucine, L-Alanine, L-Arginine, L-Aspartic Acid, Tricalcium Phosphate, CAEM (an emulsifier), L-Histidine, L-Phenylalanine, L-Tyrosine, L-Serine, Glycine, L-Proline, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, L-Cystine, L-Tryptophan, Sodium Phosphate Dibasic, Magnesium Acetate, M. Alpina Oil*, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, L-Glutamic Acid, Taurine, Ferrus Sulfate, Zinc Sulfate, L-Carnitine, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D3, Cyanocobalamin

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



MMA/PA Anamix[®] Next

A methionine-, threonine-, valine-free, low isoleucine, powdered medical food for the dietary management of methylmalonic acidemia and propionic acidemia in individuals over 1 year of age.

Main Features:

- Methionine-, threonine-, valine-free
- Low isoleucine
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate (including a multi-fiber blend), fat (including DHA), vitamins, minerals, and trace elements
- Provides 28 g protein equivalent and 12.5 g fat per 100 g of powder
- Available in Plain
- Displacement: 0.72 mL/g

Indications:

- Methylmalonic Acidemia
- Propionic Acidemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
89472	49735-0187-42	B4162 B4157	6 x 400 g	1508

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	377	135	Vit A, IU (mcg RE)	1748 (525)	628 (189)
Protein Equivalent, g	28	10	Vit D, IU (mcg)	1052 (26.3)	379 (9.6)
Fat, g	12.5	4.5	Vit E, IU (mg- α -TE)	15.6 (10.5)	5.6 (3.8)
DHA, mg	180	64	Vit K, mcg	17.5	6.4
Carbohydrate, g	41.2	14.8	Thiamin, mg	1.2	0.4
Fiber, g	11.2	4	Riboflavin, mg	0.91	0.32
of which Soluble, g	8	2.9	Vit B ₆ , mg	0.91	0.32
of which Insoluble, g	3.2	1.1	Vit B ₁₂ , mcg	1.6	0.56
Amino Acids, g			Niacin, mg	2.5	0.90
L-Alanine	3.42	1.22	Folic Acid, mcg	263	94.8
L-Arginine	3.0	1.07	Pantothenic Acid, mg	5.3	1.92
L-Aspartic Acid	2.72	0.97	Biotin, mcg	14	5.2
L-Cystine	1.56	0.56	Vit C, mg	52.5	18.8
L-Glutamine	3.61	1.29	Choline, mg	280	100
Glycine	1.37	0.49	Inositol, mg	70	25.2
L-Histidine	2.02	0.72	Minerals		
L-Isoleucine	<0.03	<0.03	Calcium, mg	1225	440
L-Leucine	4.54	1.62	Phosphorus, mg	801	288
L-Lysine	3.05	1.09	Magnesium, mg	140	50.4
L-Methionine	Nil Added	Nil Added	Iron, mg	12.5	4.4
L-Phenylalanine	1.99	0.71	Zinc, mg	6.1	2.2
L-Proline	1.37	0.49	Manganese, mg	1.2	0.44
L-Serine	1.98	0.71	Copper, mcg	700	252
L-Threonine	Nil Added	Nil Added	Iodine, mcg	174	62.8
L-Tryptophan	0.69	0.25	Molybdenum, mcg	31.9	11.4
L-Tyrosine	1.99	0.71	Chromium, mcg	12.8	4.8
L-Valine	Nil Added	Nil Added	Selenium, mcg	35.3	12.8
L-Carnitine	0.02	0.01	Sodium, mg	350	126
Taurine	0.06	0.02	Potassium, mg	556	200
			Chloride, mg	508	183

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Canola, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Sunflower), L-Leucine, L-Lysine Acetate, L-Glutamine, Fructo-oligosaccharides, L-Alanine, Inulin, Calcium Phosphate Dibasic, L-Arginine, Corn Starch, L-Aspartic Acid, Microcrystalline Cellulose, Artificial Flavor, L-Histidine, L-Tyrosine, L-Phenylalanine, L-Serine, Gum Arabic, Tripotassium Citrate, Trisodium Citrate, L-Cystine, Glycine, L-Proline, Calcium Chloride, Magnesium Hydrogen Phosphate, Maltodextrin, Choline Bitartrate, L-Tryptophan, Tricalcium Citrate, CAEM (an emulsifier), C. Cohnii Oil**, L-Ascorbic Acid, M-Inositol, Soy Fiber, Taurine, Ferrous Sulfate, Sunflower Lecithin, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Niacinamide, Cupric Sulfate, Thiamine Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Ascorbyl Palmitate, Potassium iodide, Mixed Tocopherols, Sodium Molybdate, Sodium Selenite, Chromium Chloride, DL-alpha Tocopherol, Vitamin D₃, Phylloquinone, D-Biotin, Cyanocobalamin

CONTAINS: Coconut, Soy.

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)



XMTVI Maxamaid®

A methionine-, threonine-, valine-free and isoleucine-low powdered medical food for the dietary management of Vitamin B₁₂ non-responsive methylmalonic acidemia or propionic acidemia in toddlers and young children.

Main Features:

- Methionine-, threonine-, valine-free and isoleucine-low
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XMTVI Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Vitamin B₁₂ non-responsive methylmalonic acidemia
- Propionic acidemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117785	49735-0177-85	B4162	6 x 454 g (1 lb)	1471

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g Protein Equivalent		Per 100 g	Per 10 g Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg- α -T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	2.89	1.16	Riboflavin, mg	0.8	0.3
L-Arginine	2.59	1.04	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	2.3	0.92	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.95	0.38	Niacin, mg	5	2
Glycine	1.16	0.46	Folic Acid, mcg	240	96
L-Histidine	1.75	0.70	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	<0.07	Trace	Biotin, mcg	18	7.2
L-Leucine	3.9	1.56	Vitamin C, mg	62.5	25
L-Lysine	2.65	1.06	Choline, mg	250	100
L-Methionine	Nil Added	Nil Added	Inositol, mg	56	22
L-Phenylalanine	1.72	0.69	Minerals		
L-Proline	1.16	0.46	Calcium, mg	810	324
L-Serine	1.62	0.65	Phosphorus, mg	810	324
L-Threonine	Nil Added	Nil Added	Magnesium, mg	128	51
L-Tryptophan	0.76	0.30	Iron, mg	14	5.6
L-Tyrosine	1.72	0.69	Zinc, mg	11	4.4
L-Valine	Nil Added	Nil Added	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, L-Arginine, L-Aspartate, L-Leucine, L-Lysine Acetate, Calcium Phosphate Dibasic, Citric Acid, L-Alanine, Tripotassium Citrate, Artificial Flavors, L-Histidine, L-Glutamine, L-Phenylalanine, L-Tyrosine, L-Serine, Glycine, L-Proline, Maltodextrin, Disodium Hydrogen Phosphate, L-Cystine, Sodium Chloride, L-Tryptophan, Choline Bitartrate, Magnesium Acetate, Magnesium L-Aspartate, Taurine, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta-Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



XMTVI Maxamum®

A methionine-, threonine-, valine-free and isoleucine-low medical food for the dietary management of Vitamin B₁₂ non-responsive methylmalonic acidemia or propionic acidemia in older children and adults, including pregnant women and women of child-bearing age.

Main Features:

- Methionine-, threonine-, valine-free and isoleucine-low
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XMTVI Maxamum provides 40 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Displacement: 0.6 mL/g

Indications:

- Vitamin B₁₂ non-responsive methylmalonic acidemia
- Propionic acidemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117779	49735-0177-79	B4162 or B4157	6 x 454 g (1 lb)	1385

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10g Protein Equivalent		Vitamins	Per 10g Protein Equivalent	
	Per 100 g	Per 10g Protein Equivalent		Per 100 g	Per 10g Protein Equivalent
Calories	305	76	Vitamin A, IU (mcg R.E.)	2228 (669)	557 (167)
Protein Equivalent, g	40	10	Vitamin D, IU (mcg)	332 (8.3)	83 (2.1)
Fat, g	<1	<0.25	Vitamin E, IU (mg- α -T.E.)	18.3 (12.3)	4.6 (3.1)
Carbohydrate, g	34	8.5	Vitamin K, mcg	82	21
Amino Acids, g			Thiamin, mg	0.91	0.23
L-Alanine	4.6	1.15	Riboflavin, mg	0.97	0.24
L-Arginine	4.1	1.03	Vitamin B ₆ , mg	1.6	0.4
L-Aspartic Acid	3.6	0.90	Vitamin B ₁₂ , mcg	3.1	0.8
L-Cystine	1.5	0.38	Niacin, mg	5.7	1.4
L-Glutamic Acid	4.5	1.13	Folic Acid, mcg	491	123
Glycine	1.8	0.45	Pantothenic Acid, mg	4.9	1.2
L-Histidine	2.8	0.70	Biotin, mcg	24.5	6.1
L-Isoleucine	<0.14	Trace	Vitamin C, mg	62	16
L-Leucine	6.2	1.55	Choline, mg	430	108
L-Lysine	4.2	1.05	Inositol, mg	80	20
L-Methionine	Nil Added	Nil Added	Minerals		
L-Phenylalanine	2.7	0.68	Calcium, mg	1183	296
L-Proline	1.9	0.48	Phosphorus, mg	1137	284
L-Serine	2.6	0.65	Magnesium, mg	306	77
L-Threonine	Nil Added	Nil Added	Iron, mg	14.7	3.7
L-Tryptophan	1.2	0.30	Zinc, mg	9	2
L-Tyrosine	2.7	0.68	Manganese, mg	1.8	0.5
L-Valine	Nil Added	Nil Added	Copper, mcg	820	205
L-Carnitine	0.039	0.01	Iodine, mcg	131	33
Taurine	0.14	0.04	Molybdenum, mcg	37	9
L-Glutamine	0.32	0.08	Chromium, mcg	26	7
			Selenium, mcg	58	15
			Sodium, mg (mEq)	560 (24.3)	140 (6.1)
			Potassium, mg (mEq)	700 (17.9)	175 (4.5)
			Chloride, mg (mEq)	560 (16)	140 (4)

Ingredients:

Sugar, L-Lysine L-Glutamate, L-Leucine, Corn Syrup Solids, L-Alanine, Calcium Phosphate Dibasic, L-Arginine, L-Aspartic Acid, L-Histidine, L-Phenylalanine, L-Tyrosine, L-Serine, Artificial Flavor, Citric Acid, Magnesium Acetate, Glycine, L-Proline, L-Cystine, L-Tryptophan, Tripotassium Citrate, Choline Bitartrate, Sodium Chloride, Soy Lecithin, Disodium Hydrogen Phosphate, Dipotassium Hydrogen Phosphate, L-Glutamine, Tricalcium Phosphate, L-Glutamic Acid, Taurine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, L-Carnitine, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Niacinamide, Manganese Sulfate, Calcium D-Pantothenate, Cupric Sulfate, Pyridoxine Hydrochloride, Sodium Selenite, Thiamin Chloride Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Artificial Colors (Beta Carotene, Beet Red), Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.

CONTAINS: Soy.



TYR Anamix® Early Years

A phenylalanine-, tyrosine-free powdered infant formula with iron, for the dietary management of tyrosinemia (TYR). Contains DHA and ARA, and a unique blend of prebiotic fiber.

Main Features:

- A phenylalanine-, tyrosine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Tyrosinemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90218	49735-0102-18	B4162	6 x 400 g (14 oz)	1892

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g		Vitamins	Per 10 g	
	Per 100 g	Protein Equivalent		Per 100 g	Protein Equivalent
Calories	473	350	Vitamin A, IU (mcg R.E.)	1305 (392)	967 (290)
Protein Equivalent, g	13.5	10.0	Vitamin D3, IU (mcg)	348 (8.7)	258 (6.4)
Fat, g	23.0	17.0	Vitamin E, IU (mg- α -T.E.)	10.9 (7.3)	8.1 (5.4)
Saturated, g	7.5	5.6	Vitamin K, mcg	38.0	28.1
Monounsaturated, g	9.4	7.0	Thiamin, mg	640	474
Polyunsaturated, g	5.0	3.7	Riboflavin, mg	500	370
DHA, mg	70.0	51.9	Vitamin B6, mcg	500	370
ARA, mg	140	104	Vitamin B12, mcg	1.2	0.89
Linoleic Acid, mg	3500	2593	Niacin, mcg	2200	1630
Carbohydrate, g	53.0	39.3	Folic Acid, mcg	55.0	40.7
Fiber, g	5.3	3.9	Pantothenic Acid, mcg	2800	2074
GOS, g	4.7	3.5	Biotin, mcg	18.2	13.5
FOS, g	0.55	0.41	Vitamin C, mg	49.0	36.3
Amino Acids, g			Choline, mg	91.0	67.4
L-Alanine	0.68	0.50	Inositol, mg	98.0	72.6
L-Arginine	1.19	0.88	Minerals		
L-Aspartic Acid	1	0.74	Calcium, mg	371	275
L-Cystine	0.45	0.33	Phosphorus, mg	270	200
L-Glutamic Acid	1.34	0.99	Magnesium, mg	52.5	38.9
L-Glutamine	0.11	0.08	Iron, mg	7.3	5.4
Glycine	1.07	0.79	Zinc, mg	5.2	3.9
L-Histidine	0.68	0.50	Manganese, mcg	390	289
L-Isoleucine	1.07	0.79	Copper, mcg	390	289
L-Leucine	1.83	1.4	Iodine, mcg	82.5	61.1
L-Lysine	1.24	0.92	Molybdenum, mcg	10.9	8.1
L-Methionine	0.29	0.21	Chromium, mcg	12.5	9.3
L-Phenylalanine	Nil Added	Nil Added	Selenium, mcg	14.1	10.4
L-Proline	1.3	0.96	Sodium, mg	171	127
L-Serine	0.8	0.59	Potassium, mg	454	336
L-Threonine	0.89	0.66	Chloride, mg	321	238
L-Tryptophan	0.36	0.27			
L-Tyrosine	Nil Added	Nil Added			
L-Valine	1.17	0.9			
L-Carnitine	0.01	0.0			
Taurine	0.02	0.0			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Soy, Non-hydrogenated Coconut, Canola, Sunflower), Galacto-oligosaccharides (GOS) Dried Syrup (from milk), L-Lysine L-Glutamate, L-Leucine, L-Proline, L-Arginine, L-Valine, Tricalcium Phosphate, Glycine, L-Isoleucine, L-Aspartic Acid, CAEM (an emulsifier), L-Threonine, L-Serine, L-Alanine, L-Histidine, Potassium Chloride, Fructo-oligosaccharides (FOS), Tripotassium Citrate, L-Cystine, Sodium Phosphate Dibasic, L-Tryptophan, Magnesium Acetate, M. Alpina Oil*, L-Methionine, Choline Bitartrate, C. Cohnii Oil**, L-Glutamine, Sodium Chloride, M-Inositol, L-Ascorbic Acid, L-Glutamic Acid, Taurine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Niacinamide, Ascorbyl Palmitate, Manganese Sulfate, Cupric Sulfate, Thiamine Hydrochloride, Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, DL-alpha Tocopherol, Mixed Tocopherols, Potassium Iodide, Chromium Chloride, Folic Acid, Phylloquinone, Sodium Selenite, Sodium Molybdate, D-Biotin, Vitamin D₃, Cyanocobalamin

CONTAINS: Soy, Coconut, Milk.

*A SOURCE OF ARACHIDONIC ACID (ARA)

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)

Contains GOS/FOS 0.8 g per 100 mL



TYR Anamix® Next

A phenylalanine- and tyrosine-free, powdered medical food for the dietary management of tyrosinemia in individuals over 1 year of age.

Main Features:

- Phenylalanine- and tyrosine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate (including a multi-fiber blend), fat (including DHA), vitamins, minerals and trace elements
- Provides 28 g protein equivalent and 12.5 g fat per 100 g of powder
- Available in a plain flavor
- Osmolality (mOsm/kg): 1460 (at 1 kcal/mL)
- Displacement: 0.72 mL/g

Indications:

- Tyrosinemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
89479	49735-0194-79	B4162 B4157	6 x 400 g (14 oz)	1540

WIC[‡] eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g Protein Equivalent		Per 100 g	Per 10 g Protein Equivalent
Calories	385	138	Vitamin A, IU (mcg RE)	1399 (420)	499 (150)
Protein Equivalent, g	28	10	Vitamin D, IU (mcg)	840 (21)	300 (7.5)
Fat, g	12.5	4.5	Vitamin E, IU (mg α-TE)	12.5 (8.4)	4.5 (3)
Saturates, g	2	0.71	Vitamin K, mcg	14	5
Monounsaturates, g	8.2	2.9	Thiamin, mg	0.93	0.33
Polyunsaturates, g	1.8	0.64	Riboflavin, mg	0.73	0.26
DHA, mg	180	64.3	Vit. B6, mg	0.73	0.26
Carbohydrate, g	43.2	15.4	Vit. B12, mcg	1.3	0.46
Of which Fiber, g	11.2	4	Niacin, mg (NE)	11.3	4
Soluble	8	2.9	Folic Acid, mg	0.21	0.08
Insoluble	3.2	1.1	Pantothenic Acid, mg	4.2	1.5
Amino Acids, g			Biotin, mcg	11.2	4
L-Alanine	4.71	1.7	Vitamin C, mg	42	15
L-Arginine	1.67	0.6	Choline, mg	224	80
L-Aspartic Acid	0.41	0.15	Inositol, mg	56	20
L-Cystine	2.71	0.97	Minerals		
L-Glutamine	3.36	1.2	Calcium, mg	980	350
Glycine	3.94	1.4	Phosphorus, mg	641	229
L-Histidine	0.79	0.28	Magnesium, mg	113	40
L-Isoleucine	1.66	0.59	Iron, mg	10	4
L-Leucine	2.52	0.9	Zinc, mg	4.9	1.8
L-Lysine	2.24	0.8	Manganese, mcg	920	329
L-Methionine	0.56	0.2	Copper, mcg	560	200
L-Phenylalanine	Nil Added	Nil Added	Iodine, mcg	139	50
L-Proline	2.71	0.97	Molybdenum, mcg	25.5	9.1
L-Serine	1.59	0.57	Chromium, mcg	10.2	3.6
L-Threonine	2.94	1.1	Selenium, mcg	28.2	10.1
L-Tryptophan	0.56	0.2	Sodium, mg	280	100
L-Tyrosine	Nil Added	Nil Added	Potassium, mg	445	159
L-Valine	1.96	0.7	Chloride, mg	406	145
L-Carnitine	0.02	0.01			
Taurine	0.05	0.02			

Ingredients:

Corn Syrup Solids, Refined Vegetable Oils (High Oleic Sunflower, Canola, Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil), Sunflower), L-Alanine, Glycine, Fructo-oligosaccharides, L-Glutamine, L-Lysine Acetate, Inulin, L-Threonine, Corn Starch, L-Cystine, L-Proline, Calcium Phosphate Dibasic, L-Leucine, Microcrystalline Cellulose, Artificial Flavor, L-Valine, Gum Arabic, L-Arginine, L-Isoleucine, L-Serine, Tripotassium Citrate, Trisodium Citrate, Calcium Chloride, L-Histidine, Maltodextrin, Choline Bitartrate, Magnesium Hydrogen Phosphate, L-Methionine, L-Tryptophan, Magnesium L-Aspartate, CAEM (an emulsifier), C. Cohnii Oil**, Tricalcium Citrate, L-Ascorbic Acid, Soy Fiber, M-Inositol, Taurine, Ferrrous Sulfate, Sunflower Lecithin, L-Carnitine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Niacinamide, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Ascorbyl Palmitate, Folic Acid, Potassium Iodide, Mixed Tocopherols, Sodium Molybdate, Sodium Selenite, Chromium Chloride, DL-alpha Tocopherol, Vitamin D3, Phylloquinone, D-Biotin, Cyanocobalamin

CONTAINS: Coconut, Soy.

**A SOURCE OF DOCOSAHEXAENOIC ACID (DHA)



XPhe, XTyr Maxamaid®

A phenylalanine- and tyrosine-free powdered medical food for the dietary management of tyrosinemia in toddlers and young children.

Main Features:

- Phenylalanine- and tyrosine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- Age-appropriate DRI formulation
- XPhe, XTyr Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available in orange flavor
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake.
- Displacement: 0.6 mL/g

Indications:

- Tyrosinemia

For details on administration and household measurements, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
117786	49735-0177-86	B4162	6 x 454 g (1 lb)	1471

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 100 g	Per 10 g Protein Equivalent	Vitamins	Per 100 g	Per 10 g Protein Equivalent
Calories	324	130	Vitamin A, IU (mcg R.E.)	1665 (500)	666 (200)
Protein Equivalent, g	25	10	Vitamin D, IU (mcg)	480 (12)	192 (4.8)
Fat, g	<0.1	0.04	Vitamin E, IU (mg- α -T.E.)	14.3 (9.6)	5.7 (3.8)
Carbohydrate, g	56	22	Vitamin K, mcg	48	19
Amino Acids, g			Thiamin, mg	0.8	0.3
L-Alanine	1.25	0.50	Riboflavin, mg	0.8	0.3
L-Arginine	2.21	0.88	Vitamin B ₆ , mg	0.8	0.3
L-Aspartic Acid	1.84	0.74	Vitamin B ₁₂ , mcg	2	0.8
L-Cystine	0.82	0.33	Niacin, mg	5	2
Glycine	1.96	0.78	Folic Acid, mcg	240	96
L-Histidine	1.26	0.50	Pantothenic Acid, mg	3.2	1.3
L-Isoleucine	1.96	0.78	Biotin, mcg	18	7.2
L-Leucine	3.36	1.34	Vitamin C, mg	62.5	25
L-Lysine	2.28	0.91	Choline, mg	250	100
L-Methionine	0.54	0.22	Inositol, mg	56	22
L-Phenylalanine	Nil Added	Nil Added	Minerals		
L-Proline	2.38	0.95	Calcium, mg	810	324
L-Serine	1.46	0.58	Phosphorus, mg	810	324
L-Threonine	1.64	0.66	Magnesium, mg	128	51
L-Tryptophan	0.66	0.26	Iron, mg	14	5.6
L-Tyrosine	Nil Added	Nil Added	Zinc, mg	11	4.4
L-Valine	2.14	0.86	Manganese, mg	1.9	0.8
L-Carnitine	0.02	0.01	Copper, mcg	1000	400
Taurine	0.14	0.06	Iodine, mcg	144	58
L-Glutamine	1.5	0.60	Molybdenum, mcg	33	13
			Chromium, mcg	21.5	8.6
			Selenium, mcg	40	16
			Sodium, mg (mEq)	580 (25.2)	232 (10)
			Potassium, mg (mEq)	840 (21.5)	336 (8.6)
			Chloride, mg (mEq)	450 (12.9)	180 (5.2)

Ingredients:

Sugar, Corn Syrup Solids, L-Arginine L-Aspartate, Calcium Phosphate Dibasic, L-Leucine, L-Lysine Acetate, Citric Acid, Tripotassium Citrate, L-Proline, L-Valine, Artificial Flavors, Glycine, L-Isoleucine, L-Threonine, L-Glutamine, L-Serine, L-Alanine, L-Histidine, Maltodextrin, Disodium Hydrogen Phosphate, L-Cystine, Sodium Chloride, Magnesium Acetate, N-Acetyl L-Methionine, Choline Bitartrate, L-Tryptophan, Taurine, Magnesium L-Aspartate, L-Ascorbic Acid, Tricalcium Phosphate, M-Inositol, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, Calcium D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Artificial Colors (Beta-Carotene, Beet Red), Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D₃, Cyanocobalamin.



TYR Lophlex® LQ

A tyrosine- and phenylalanine-free*, ready-to-drink medical food containing amino acids, carbohydrates, vitamins, minerals and DHA, based on mixed fruit juices (from concentrate) with natural flavor; for the dietary management of proven tyrosinemia in individuals 4 years and older, including pregnant women and women of child-bearing age.

Main Features:

- Tyrosine- and phenylalanine-free
- Low volume; provides 20 g PE in just 4.2 fl oz (125 mL)
- Convenient ready-to-drink
- Based on fruit juices (from concentrate) with natural flavor - no artificial flavors
- Contains a balanced mixture of essential and non-essential amino acids, carbohydrates, vitamins, minerals and DHA
- Contains 150 mg of DHA per pouch
- Available in mixed berry blast flavor
- Osmolality: 2460 mOsm/kg

Indications:

- Tyrosinemia

For details on administration, please see pages 140-152.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Pouch
82113	49735-0167-50	B4157 or B4162	30 X 4.2 fl oz (125 mL)	120

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

*S9435 = For individuals who submit their bills to insurance on their own.

*May contain traces of tyrosine and phenylalanine from fruit juice (from concentrate).

Nutrition Information:

Nutrients	Per Pouch	Per 10 g	Vitamins	Per Pouch	Per 10 g
	(4.2 fl oz)	Protein Equivalent		(4.2 fl oz)	Protein Equivalent
Calories	120.0	60.0	Vitamin A, IU (mcg R.E.)	949 (285)	475 (143)
Protein Equivalent, g	20.0	10.0	Vitamin D, IU (mcg)	320 (8.0)	160 (4.0)
Fat, g	0.44	0.22	Vitamin E, IU (mg- α -T.E.)	4.8 (3.2)	2.4 (1.6)
DHA, mg	150	75.0	Vitamin K, mcg	24.9	12.5
Carbohydrate, g	9.3	4.7	Thiamin, mg	0.54	0.27
Fiber, g	0.50	0.25	Riboflavin, mg	0.50	0.25
Amino Acids, g			Vitamin B ₆ , mg	0.58	0.29
L-Alanine	1.13	0.57	Vitamin B ₁₂ , mcg	1.8	0.90
L-Arginine	1.68	0.84	Niacin, mg	7.1	3.6
L-Aspartic Acid	1.63	0.82	Folic Acid, mcg	120	60.0
L-Cystine	0.83	0.42	Pantothenic Acid, mg	1.8	0.9
Glycine	1.63	0.82	Biotin, mcg	53.4	26.7
L-Histidine	0.95	0.48	Vitamin C, mg	17.8	8.9
L-Isoleucine	1.55	0.78	Choline, mg	153	76.5
L-Leucine	2.50	1.25	Inositol, mg	40.6	20.3
L-Lysine	1.75	0.88	Minerals		
L-Methionine	0.40	0.20	Calcium, mg	319	160
L-Phenylalanine	Trace*	Trace*	Phosphorus, mg	244	122
L-Proline	2.03	1.02	Magnesium, mg	96.3	48.2
L-Serine	1.30	0.65	Iron, mg	5.1	2.6
L-Threonine	1.25	0.63	Zinc, mg	3.8	1.9
L-Tryptophan	0.50	0.25	Manganese, mg	0.56	0.28
L-Tyrosine	Trace*	Trace*	Copper, mcg	563	282
L-Valine	1.65	0.83	Iodine, mcg	56.3	28.2
L-Carnitine	0.02	0.01	Molybdenum, mcg	25.0	12.5
Taurine	0.14	0.07	Chromium, mcg	10.8	5.4
			Selenium, mcg	26.8	13.4
			Sodium, mg (mmol)	<25.0 (<10)	<12.5 (<5)
			Potassium, mg (mmol)	90 (2.3)	45 (1.2)
			Chloride, mg (mmol)	<25.0 (<10)	<12.5 (<5)

Ingredients:

Water, Apple Juice from Concentrate (34.1%), Grape Juice from Concentrate (6.9%), Blackcurrant Juice from Concentrate (2.5%), L-Leucine, L-Lysine Acetate, Citric Acid, L-Proline, L-Arginine, L-Valine, L-Aspartic Acid, Glycine, L-Isoleucine, L-Serine, L-Threonine, Corn Syrup Solids, Dicalcium Phosphate, L-Alanine, L-Histidine, L-Cystine, Elderberry Juice from Concentrate (0.6%), Maltodextrin, Magnesium Acetate, Sugar, N-Acetyl L-Methionine, L-Tryptophan, Choline Bitartrate, C. Cohnii Oil*, Microcrystalline Cellulose, Natural Flavor, Taurine, Fruit Concentrate (Apple, Blackcurrant, Radish), L-Ascorbic Acid, Guar Gum, Sunflower Lecithin, Xanthan Gum, M-Inositol, Potassium Sorbate (preservative to delay spoilage), Artificial Sweetener: Sucralose, Ferrous Lactate, Artificial Sweetener: Acesulfame Potassium, L-Carnitine, Sodium Benzoate (preservative to delay spoilage), Zinc Sulfate, Niacinamide, DL-alpha Tocopheryl Acetate, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Vitamin A Palmitate, Riboflavin, Folic Acid, Potassium Iodide, Ascorbyl Palmitate, Mixed Tocopherols, Sodium Molybdate, D-Biotin, Sodium Selenite, Chromium Chloride, Phylloquinone, Vitamin D₃, Cyanocobalamin.

*A Source of Docosahexaenoic Acid (DHA).

Contains 44.1% juice.



UCD Anamix[®] Junior

A powdered medical food containing essential amino acids (with increased levels of branched chain amino acids (BCAAs) and tryptophan), carbohydrates, fat, vitamins and minerals; for the dietary management of urea cycle disorders (UCD); hyperammonemia, hyperornithinemia, homocitrullinemia (HHH) syndrome; and gyrate atrophy in patients over the age of 1.

Main Features:

- Contains essential amino acids to help maintain a positive nitrogen balance in UCD
- Amino acid profile rich in BCAAs for efficient and optimal protein synthesis for children with UCD
- Sufficient non-protein calories to prevent protein being broken down for energy and toxic metabolites being produced
- Essential micronutrients such as calcium, vitamin D, iron and zinc supplied to compensate for low intake from natural food
- Available in unflavored and vanilla flavor
- Osmolality (at a 1 to 3.5 dilution): 1040 mOsm/kg
- Displacement: 0.70 mL/g

Indications:

- Urea Cycle Disorders (UCD)
- Hyperammonemia, Hyperornithinemia, Homocitrullinemia (HHH) syndrome
- Gyrate atrophy

For details on administration and household measurements, please see pages 140-152.

Visit NutriciaLearningCenter.com for a practical guide for the use of UCD Anamix Junior.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
59292 - Unflavored	49735-0192-92	B4157 or B4162	6 X 400 g (14 oz)	1540
59293 - Vanilla	49735-0192-93	B4157 or B4162	6 X 400 g (14 oz)	1540

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

* S9435 = For individuals who submit their bills to insurance on their own.

Nutrition Information:

Nutrients	Per 10 g Protein Equivalent		Vitamins	Per 10 g Protein Equivalent	
	Per 100 g	Per 10 g Protein Equivalent		Per 100 g	Per 10 g Protein Equivalent
Calories	385	321	Vitamin A, IU (mcg R.E.)	3197 (960)	2664 (800)
Protein Equivalent, g	12.0	10.0	Vitamin D, IU (mcg)	920 (23.0)	767 (19.2)
Fat, g	17.0	14.2	Vitamin E, IU (mg α T.E.)	27.5 (18.5)	22.9 (15.4)
Carbohydrate, g	46.0	38.3	Vitamin K, mcg	92.2	76.8
Amino Acids, g			Thiamin, mg	1.9	1.6
L-Alanine	Nil Added	Nil Added	Riboflavin, mg	1.5	1.3
L-Arginine	Nil Added	Nil Added	Vitamin B ₆ , mg	1.5	1.3
L-Asparagine	Nil Added	Nil Added	Vitamin B ₁₂ , mcg	3.8	3.2
L-Aspartic Acid	Nil Added	Nil Added	Niacin, mg	9.6	8.0
L-Citrulline	Nil Added	Nil Added	Folic Acid, mcg	461	384
L-Cystine	0.43	0.36	Pantothenic Acid, mg	6.1	5.1
L-Glutamic Acid	Nil Added	Nil Added	Biotin, mcg	34.6	28.8
L-Glutamine	Nil Added	Nil Added	Vitamin C, mg	120	100
Glycine	Nil Added	Nil Added	Choline, mg	480	400
L-Histidine	0.51	0.43	Inositol, mg	108	90
L-Isoleucine	2.26	1.88	Minerals		
L-Leucine	3.82	3.18	Calcium, mg	1555	1296
L-Lysine	1.92	1.60	Phosphorus, mg	1555	1296
L-Methionine	0.40	0.33	Magnesium, mg	246	205
L-Phenylalanine	0.67	0.56	Iron, mg	26.9	22.4
L-Proline	Nil Added	Nil Added	Zinc, mg	21.1	17.6
L-Serine	Nil Added	Nil Added	Manganese, mg	3.6	3.0
L-Threonine	1.59	1.33	Copper, mcg	1900	1583
L-Tryptophan	0.48	0.40	Iodine, mcg	276	230
L-Tyrosine	1.23	1.03	Molybdenum, mcg	63.4	52.8
L-Valine	2.29	1.91	Chromium, mcg	41.3	34.4
L-Carnitine	0.009	0.008	Selenium, mcg	76.8	64.0
Taurine	0.069	0.058	Sodium, mg (mmol)	1114 (48.4)	928 (40.3)
			Potassium, mg (mmol)	1613 (41.3)	1344 (34.4)
			Chloride, mg (mmol)	864 (24.3)	720 (20.3)

Ingredients:

Unflavored: Corn Syrup Solids, Refined Vegetable Oils (High Oleic Safflower, Canola, Fractionated Coconut), Sugar, L-Leucine, Sodium Phosphate Dibasic, Tripotassium Citrate, Tricalcium Citrate, Tricalcium Phosphate, L-Lysine Hydrochloride, L-Valine, L-Isoleucine, Magnesium Hydrogen Phosphate, L-Threonine, Choline Bitartrate, L-Tyrosine, Potassium Chloride, Citric Acid Ester of Mono- And Diglycerides (An Emulsifier), L-Phenylalanine, L-Histidine, L-Tryptophan, L-Cystine, L-Methionine, L-Ascorbic Acid, M-Inositol, Ferrous Sulfate, Taurine, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Manganese Sulfate, Niacinamide, L-Carnitine, Calcium-D-Pantothenate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Sodium Selenite, Chromium Chloride, Sodium Molybdate, Phylloquinil Added, D-Biotin, Vitamin D₃, Cyanocobalamin.

Vanilla flavored version also contains: Artificial flavor.

CONTAINS: Coconut.



SOD Anamix® Early Years

A methionine- and cystine-free powdered infant formula for the dietary management of conditions requiring restriction of methionine and cystine (e.g. sulphite oxidase deficiency).

Main Features:

- Methionine-, cystine-free powdered infant formula with iron
- Includes DHA & ARA
- Contains a prebiotic fiber blend
- Unflavored powder
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrates, fat, vitamins, minerals and trace elements
- Provides 13.5 g of protein equivalent per 100 g of powder
- Osmolality (at 21 kcal/fl oz): 380 mOsm/kg
- Displacement: 0.75 mL/g

Indications:

- Sulphite oxidase deficiency
- Other conditions requiring restriction of methionine and cystine

For details on administration and household measurements, please see pages 140-152.

Additional Information:

Please note that this product is available by special order only. For detailed information on SOD Anamix Early Years, please contact our Nutrition Services Department.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
90212 (Special Order)	49735-0102-12	B4162	3 x 400 g (14 oz)	1892

* S9435 = For individuals who submit their bills to insurance on their own.

XMet, XCys Maxamaid®

A methionine- and cystine-free powdered medical food for the dietary management of conditions requiring restriction of methionine and cystine (e.g. sulphite oxidase deficiency) in individuals over 1 year of age.

Main Features:

- Methionine- and cystine-free
- Contains a balanced mixture of all other essential and non-essential amino acids, carbohydrate, vitamins, minerals and trace elements
- XMet, XCys Maxamaid provides 25 g of protein equivalent per 100 g of powder
- Available as unflavored powder
- Contains <1 g of fat per 10 g PE thereby allowing greater flexibility in modifying energy intake
- Osmolality (mOsm/kg):

Dilution	
1 to 5	690
1 to 7	490

Indications:

- Sulphite oxidase deficiency
- Other conditions requiring restriction of methionine and cystine

For details on administration and household measurements, please see pages 140-152.

Additional Information:

Please note that this product is available by special order only. For detailed information on XMet, XCys Maxamaid, please contact our Nutrition Services Department.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
116194 (Special Order)	49735-0114-57	B4162	3 x 500 g (17.6 oz)	1545

Household Measurements

Measure	g Product	g Protein Equivalent
PKU Periflex Early Years		
Enclosed scoop	5.0	0.68
1 Tbsp	9.0	1.2
1 cup	144	19.4
MSUD Anamix Early Years		
Enclosed scoop	5.0	0.68
1 Tbsp	9.0	1.2
1 cup	140	19.4
GA-1, TYR, MMA/PA, HCU, IVA Anamix Early Years		
Enclosed scoop	5.0	0.68
1 Tbsp	8.8	1.2
1 cup	140	18.9
PKU Periflex Junior Plus (Plain)		
Enclosed scoop	9.0	2.5
1 Tbsp	8.7	2.4
1 cup	139	38.9
PKU Periflex Junior Plus (Flavors)		
Enclosed scoop	9.0	2.5
1 Tbsp	8.3	2.3
1 cup	132	37
TYR Anamix Next		
Enclosed scoop	9.0	2.5
1 Tbsp	8.6	2.4
1 cup	137	38.4

Household measures are based on standard US, dry household measures.* All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a gram scale for greatest accuracy. The scoops Nutricia provides are validated for use with Nutricia formulas, so are preferable to household measures.

*US measures: 1 cup = 240 mL; ½ cup = 120 mL; ⅓ cup = 80 mL; ¼ cup = 60 mL; 1 Tbsp = 15 mL; 1 tsp = 5 mL; ½ tsp = 2.5 mL

Measure	g Product	g Protein Equivalent
HCU Anamix Next		
Enclosed scoop	9.0	2.5
1 Tbsp	8.3	2.3
1 cup	133	37.2
IVA, MMA/PA Anamix Next		
Enclosed scoop	9.0	2.5
1 Tbsp	8.8	2.5
1 cup	140	39.2
UCD Anamix Junior Unflavored		
Enclosed scoop	5.0	0.60
1 Tbsp	9.0	1.1
1 cup	143	17.2
UCD Anamix Junior Vanilla		
Enclosed scoop	5.0	0.60
1 Tbsp	8.7	1.0
1 cup	139	16.7
Periflex Advance		
1 Tbsp	9.4	3.3
1 cup	150	53
PhenylAde Essential Drink Mix		
Enclosed scoop	40	10
1 Tbsp	10	2.5
1 cup	160	40
PhenylAde GMP Drink Mix		
Enclosed scoop	33.3	10
1 Tbsp	6.6	2
1 cup	128	38.4
PhenylAde 40 Drink Mix		
Enclosed scoop	25	10
1 Tbsp	10	4
1 cup	160	64

Measure	g Product	g Protein Equivalent
PhenylAde 60 Drink Mix		
Enclosed scoop	16.7	10
1 Tbsp	9.8	5.9
1 cup	148	90
PhenylAde Amino Acid Blend		
Enclosed scoop	12.4	10
1 Tbsp	8.5	6.9
1 cup	116	94
PhenylAde MTE Amino Acid Blend		
Enclosed scoop	12.8	10
1 Tbsp	8.5	6.6
1 cup	116	90
GlutarAde Junior GA-1 Drink Mix		
Enclosed scoop	9.8	0.98
1 Tbsp	9.3	0.93
1 cup	146	14.6
GlutarAde Essential GA-1 Drink Mix		
Enclosed scoop	40	10
1 Tbsp	10	2.5
1 cup	160	40
GlutarAde GA-1 Amino Acid Blend		
Enclosed scoop	12.3	10
1 Tbsp	8.5	6.9
1 cup	116	94
Complex Junior MSD Drink Mix		
Enclosed scoop	8.5	1.1
1 Tbsp	8.4	1.1
1 cup	118	15.2
Complex Essential MSD Drink Mix		
Enclosed scoop	40	10
1 Tbsp	9.8	2.4
1 cup	160	40

Measure	g Product	g Protein Equivalent
Complex MSD Amino Acid Blend		
Enclosed scoop	12.4	10
1 Tbsp	8.2	6.6
1 cup	124	100
Maxamaid Range (Flavored & Unflavored)		
1 Tbsp	9	2.3
1 cup	145	36
Maxamum Range (Flavored & Unflavored)		
1 Tbsp	9	3.6
1 cup	145	58

Household measures are based on standard US, dry household measures.* All measures are level and unpacked. These values are approximations only and have been provided for convenience: results can vary significantly based on the individual, device, and method. Nutricia North America recommends using a gram scale for greatest accuracy. The scoops Nutricia provides are validated for use with Nutricia formulas, so are preferable to household measures.

*US measures: 1 cup = 240 mL; ½ cup = 120 mL; ⅓ cup = 80 mL; ¼ cup = 60 mL; 1 Tbsp = 15 mL; 1 tsp = 5 mL; ½ tsp = 2.5 mL

PKU Periflex® & Anamix® Early Years

Powdered infant formulas with iron containing DHA and ARA, and a unique blend of prebiotic fiber.

Administration:

- Must be consumed in conjunction with a whole protein source (e.g. breast milk or standard infant formula) in quantities prescribed by a dietitian or physician to meet the general nutrition requirements to ensure normal growth and development.
- Formula dosage and dilution will vary depending on the age, body weight, medical condition and protein tolerance of the infant.

Mixing Instructions:

- To make a standard dilution (21 kcal/fl oz), add 1 unpacked level scoop (5 g) of powder to each fluid ounce of water. Only use the scoop provided. For accuracy formula should be weighed on a gram scale.
- PKU Periflex/Anamix Early Years may be mixed with warm or cool sterile water. Do not boil formula or use a microwave to prepare or warm formula.

To make formula:

- 1) Wash hands thoroughly and clean the preparation area.
- 2) Pour the required amount of cooled, boiled water into the sterilized feeding bottle*.
- 3) Add the prescribed number of leveled scoops of formula to the water in the sterilized feeding bottle.
- 4) Place cap on the bottle and shake until the powder dissolves. Shake immediately BEFORE USE.

Desired Volume	Amount of Powder	Water Added	Approx. Protein Equiv.
8 fl oz	8 scoops (38 g)	7 fl oz (213 mL)	4.9 g
12 fl oz	12 scoops (57 g)	11 fl oz (320 mL)	7.4 g
24 fl oz	24 scoops (114 g)	21 fl oz (640 mL)	14.8 g

*Boiling is the preferred method of sterilizing water, bottles, nipples and mixing utensils. Important Preparation Information: Freshly prepared formula is best. Formula prepared in advance must be cooled rapidly, stored in the refrigerator and used within 24 hours of preparation. Formula remaining in the bottle after one hour of feeding should be discarded. Powdered infant formula is not sterile.

Precautions:

- Do not boil formula or use a microwave to prepare or warm formula.
- Must be given under strict medical supervision to infants with a proven metabolic disorder. Not intended as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened cans at room temperature. Avoid extreme temperatures. Once opened, reseal can and store in a cool, dry place. Use within two weeks.

PKU Periflex® Junior Plus & Anamix® Next

Metabolic formulas for the dietary management of metabolic disorders in individuals over one year of age.

Administration:

- PKU Periflex Junior Plus & Anamix Next must be consumed in conjunction with whole protein and other nutrients in quantities prescribed by a dietitian or physician to supply the fluid and general nutrition requirements.
- Intended for individuals over 1 year of age.
- Intake of Periflex Junior Plus or Anamix Next is dependent on the age, body weight and medical condition of the individual. Periflex Junior Plus or Anamix Next should be divided into equal portions and distributed throughout the day.

Mixing Instructions:

- Add the desired volume of water to a shaker or other container with a tight fitting lid. Then add the prescribed amount of powder and shake until fully blended together. Best served chilled.
- Standard solution is 3.5 fl oz (100 mL) water plus 36 g powder (approx. 4 scoops) made up to a final volume of approx. 4.3 fl oz (126 mL).

Dilution (kcal/mL)	Amount of Powder	Water Added	Final Volume
0.6	18 g (approx 2 scoops)	3.5 fl oz (100 mL)	3.9 fl oz (114 mL)
0.9	27 g (approx 3 scoops)	3.5 fl oz (100 mL)	4.0 fl oz (120 mL)
1.1	36 g (approx 4 scoops)	3.5 fl oz (100 mL)	4.3 fl oz (126 mL)

Freshly prepared formula is best. Refrigerate pre-mixed formula immediately and use within 24 hours of mixing. Shake immediately before use. Tube feeding hang time not to exceed 4 hours.

Precautions:

- Must only be consumed by individuals with proven inborn errors of metabolism. Not intended for infants. Not intended as sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened can at room temperature. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not refrigerator) and use within 14 days of opening.

Periflex® Advance and Periflex® LQ

Age-specific medical foods for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and women of child-bearing age.

Administration:

- Use only under the direction of a physician or dietitian. Periflex must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet phenylalanine and general nutritional requirements.
- Periflex Advance is intended for older children and adults, including pregnant women and women of child-bearing age.
- Intake of Periflex is dependent on the age, bodyweight and medical condition of the individual. Periflex should be divided into equal portions and distributed throughout the day.

Mixing Instructions:

Periflex Advance

- Add the desired volume of water to a shaker or other container with a tight fitting lid. Then add the prescribed amount of powder and shake until fully blended together. Dilution guidelines are shown in the tables below. Periflex is best served chilled.
- Periflex tastes great when blended with 1 fl oz (30 mL) of water for every 5 to 6 grams of powder.

Dilution Guidelines for Periflex Advance

Volume of Water	Prescribed Amount	Approx. Protein Equiv.
2 to 3 fl oz (60-90 mL)	16 g	6 g
4 to 5 fl oz (120-150 mL)	32 g	11 g
8 to 10 fl oz (240-300 mL)	64 g	22 g
16 to 20 fl oz (480-600 mL)	128 g	45 g

- Once prepared, store formula in a refrigerator for no longer than 24 hours from the time of preparation. Shake or stir prepared formula immediately before use.

Periflex LQ

Shake well before use. Best served chilled.

Precautions:

- Must only be consumed by individuals with proven phenylketonuria. Not intended for infants. Not intended as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened can at room temperature. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month of opening.
- Store Periflex LQ in a cool dry place away from sunlight.

Dilutions are guidelines only. Periflex Advance may be given in a more concentrated form (e.g., a paste or concentrated drink) by using less water. If consumed in a concentrated form, water or other drinks should also be consumed at the same time.

Maxamaid® and Maxamum®

Age-specific medical foods for the dietary management of metabolic disorders in individuals over 1 year of age, including pregnant women and women of child-bearing age.

Administration:

- Must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet protein and general nutrition requirements.
- Recommended intake will vary depending on the age, body weight and medical condition of the individual. Intake is adjusted to maintain normal growth and development. For accuracy, weigh on a gram scale. The daily intake should be divided into equal portions and distributed throughout the day.
- Maxamaid products are intended for toddlers and younger children; Maxamum products are intended for older children and adults, including pregnant women and women of child-bearing age.

Mixing Instructions:

- Best served with meals.
- Maxamaid and Maxamum Powders:** Make a paste of the prescribed amount of powder with a small volume of chilled water. Gradually add sufficient water to make the desired volume.
- For best taste, consume immediately. Larger volumes of prepared formula should be refrigerated and used within 24 hours of preparation.
- It is recommended that Maxamaid and Maxamum be

Dilution Guidelines for Maxamaid

Dilution	Amount of Powder	Volume of Water	Approx. PE
1 to 7	35 g	245 mL (approx. 8 fl oz)	8.8 g
1 to 5	35 g	175 mL (approx. 6 fl oz)	8.8 g

Dilution Guidelines for Maxamum

Dilution	Amount of Powder	Volume of Water	Approx. PE
1 to 7	35 g	245 mL (approx. 8 fl oz)	14 g
1 to 7	1 sachet (50 g)	350 mL (approx. 12 fl oz)	20 g
1 to 5	35 g	175 mL (approx. 6 fl oz)	14 g
1 to 5	1 sachet (50 g)	250 mL (approx. 8 fl oz)	20 g

prepared at a 1 to 7 dilution initially and advanced to a 1 to 5 dilution. These dilutions are guidelines only. May be given in a more concentrated form (e.g. drink or paste). If so, water or diluted drinks should be offered at the same time.

Precautions:

- Must only be given under strict medical supervision to patients with proven phenylketonuria. Not intended for children under one year of age. Not suitable as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened cans/sachets at room temperature. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month.

PhenylAde™

Formulas for the dietary management of phenylketonuria (PKU) in children and adults, including pregnant women and woman of child-bearing age.

Administration:

- Use only under the direction of a physician or dietitian. PhenylAde must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet the phenylalanine and general nutrient requirements.

Mixing Instructions:

- Add prescribed amount of PhenylAde Powder to cold water, shake or stir until completely mixed together.
- Dilution may be adjusted to taste. See recommended dilution below for a guideline.
- Once prepared, store formula in a refrigerator for no more than 24 hours from the time of preparation. Shake or stir prepared formula immediately before use.
- Do not heat, bake or add to food or beverages above 130°F.

Recommended Dilution:

- PhenylAde Essential Drink Mix**
Add contents of 1 scoop or pouch (40 g) to approx. 7 fl oz (210 mL) of cold water.
- PhenylAde GMP Drink Mix**
Add contents of 1 scoop or pouch (33.3 g) to approx. 5-6 fl oz (150-180 mL) of cold water.

- PhenylAde40 Drink Mix**

Add contents of 1 pouch (25 g) to approx. 4-6 fl oz (120-180 mL) of cold water.

- PhenylAde60 Drink Mix**

Add contents of 1 scoop or pouch (16.7 g) to approx 3 fl oz (90 mL) of cold water.

- PhenylAde Amino Acid Blends**

Simply add one serving to single portion of low protein food, beverage or other PKU formula. The appropriate serving size must be established and consumed to meet prescribed amino acid protein requirements. Not intended to be added to plain water.

Precautions:

- Must be consumed by individuals with proven phenylketonuria. Not intended for infants. Not intended as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened can at room temperature. Do not store at extreme temperatures. Once opened, recover with provided lid can and store in a cool, dry place (not in refrigerator) and use within one month of opening for all PhenylAde products except PhenylAde GMP Drink Mix. PhenylAde GMP Drink Mix must be used within 2 weeks after being opened.

Phlexy-10®

An interchangeable system of phenylalanine-free medical foods for the dietary management of phenylketonuria (PKU) in individuals over 1 year of age, including pregnant women and women of child-bearing age.

Administration:

- The Phlexy-10 products must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet phenylalanine and general nutrition requirements. Fat, carbohydrate and low protein sources may be used to supply needed calories and to fulfill essential fatty acid requirements.
- Intake of the Phlexy-10 products will vary depending on the age, body weight and medical condition of the individual. Intake is adjusted to maintain normal growth and development. One packet of the drink mix or 10 tablets provide 10 g of amino acids, equivalent to 8.33 g of protein.
- The Phlexy-10 products do not contain vitamins, minerals, or trace elements. It is essential that these nutrients are supplied separately. Phlexy-Vits (see pages 204-205) are available to be used as a supplement to the Phlexy-10 System. One 7 g packet supplies the majority of vitamins and minerals needed to meet the RDA of individuals 11 years and older.

Mixing Instructions:

- Phlexy-10 Drink Mix:** Mix the contents of one packet with a small amount of water, stirring into a thick paste. Continue stirring while adding water to make up a final volume of approximately 100 mL (~3.5 fl oz).
- Phlexy-10 Tablets:** Should be taken with water or a non-phenylalanine-containing beverage.

Precautions:

- Must only be given under strict medical supervision to patients with proven phenylketonuria. Not intended for use as the sole source of nutrition. Not intended for infants under 1 year of age. Not for parenteral use.

Storage:

- Phlexy-10 Drink Mix and Tablets should be stored in a cool, dry place. Once reconstituted, Phlexy-10 Drink Mix should be stored in a refrigerator and must be used within 24 hours of preparation. Once Phlexy-10 Tablets are opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month.

PhenylAde™ PheBLOC™ LNAA and Lanaflex®

Phenylalanine-free powdered medical foods containing the remaining essential amino acids (large neutral amino acids and lysine). For the dietary management of phenylketonuria (PKU) in individuals over 12 years of age.

Administration:

- Use only under the direction of a physician or dietitian. The product must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet phenylalanine and general nutrition requirements.
- Intake of the product is dependent on the age, bodyweight and medical condition of the individual.

Mixing Instructions:

Lanaflex

- It is recommended that the product is prepared at an approximate 1 to 4 dilution. In a screw top container, add 60 mL (2 fl oz or 1/4 cup) of chilled water. Add the contents of one sachet and shake well until dissolved. The product is best consumed immediately.
- If taken in a more concentrated form, water or diluted drinks should be consumed immediately afterwards.
- Opened sachets should be stored in an airtight container and used within 24 hours.

PhenylAde PheBLOC LNAA

- Add contents of 1 pouch (3 g) to ~1/2 cup of any semi-solid food (i.e., applesauce, mashed potatoes, pudding, sorbet, etc).

Precautions:

- Must only be consumed by individuals with proven phenylketonuria. Suitable for individuals over 12 years of age. Not suitable as the sole source of nutrition. Not for parenteral use.
- **Not for use when planning or during pregnancy.**
- **Seek medical advice before using with serotonergic medications or any kind of psychotropic medications.**

Storage:

- Store unopened sachets in a cool, dry place.

Visit [NutriciaLearningCenter.com](https://www.nutricialearningcenter.com) for guidelines on the usage of large neutral amino acids

Lophlex® Powder and Lophlex® LQ

A low volume, amino acid-based medical food for the dietary management of metabolic disorders in children and adults, including pregnant women and women of child-bearing age.

Administration:

- Use only under the direction of a physician or dietitian. Lophlex and Lophlex LQ must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet amino acid and general nutrition requirements. Fat, carbohydrate and low protein sources may be used to supply needed calories and to fulfill essential fatty acid requirements.
- Intake of Lophlex and Lophlex LQ will vary depending on the age, body weight and medical condition of the individual. Intake is adjusted to maintain normal growth and development. Lophlex and Lophlex LQ should be divided into equal portions and distributed throughout the day.

Preparation (Lophlex LQ)

- Lophlex LQ is ready-to-drink and tastes best when served chilled. Shake vigorously before use.

Mixing Instructions (Lophlex):

- Mix the contents of one sachet with a small amount of water to make a paste. Continue stirring while adding water to make up a final volume of approximately 70 mL (2.5 fl oz). This would be a 1 to 5 dilution. Lophlex may be taken in a more concentrated form, either as a drink or paste. If so, water or diluted drinks should be offered at the same time. Lophlex is best prepared with chilled water and consumed immediately after preparation.

Precautions:

- Must only be given under strict medical supervision in individuals with a proven metabolic disorder. Not intended as a sole source of nutrition. Not for parenteral use.

Storage:

- Store in a cool, dry place, below 86°F (not in the refrigerator) and away from sunlight.

Complex MSD: Junior, Essential and Amino Acid Blend

Medical foods for the dietary management of Maple Syrup Urine Disease (MSUD) in children and adults, including pregnant women and woman of child-bearing age.

Administration:

- Use only under the direction of a physician or dietitian. Complex must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet the branched-chain and general nutrient requirements.

Mixing Instructions:

- Add prescribed amount of Complex Powder to cold water, shake or stir until completely mixed together.
- Dilution may be adjusted to taste. See recommended dilution below for a guideline.
- Once prepared, store formula in a refrigerator for no more than 24 hours from the time of preparation. Shake or stir prepared formula immediately before use.
- Do not heat, bake or add to food or beverages above 130°F.

Recommended Dilution:

- Complex Junior MSD Drink Mix**

Dilution of approx. 20 calories per 1 fl oz (30 mL)

To Make Approx.	Water	Amount of Powder
2 fl oz (60 mL)	2 fl oz (60 mL)	8.5 g
4 fl oz (120 mL)	4 fl oz (120 mL)	17 g
6 fl oz (180 mL)	6 fl oz (180 mL)	26 g
8 fl oz (240 mL)	8 fl oz (240 mL)	34 g

1 level, unpacked scoop provides approx. 8.5 g of powder. For better accuracy use a gram scale.

Dilution of approx. 30 calories per 1 fl oz (30 mL)

To Make Approx.	Water	Amount of Powder
2 fl oz (60 mL)	2 fl oz (60 mL)	12.2 g
4 fl oz (120 mL)	4 fl oz (120 mL)	24.3 g
6 fl oz (180 mL)	6 fl oz (180 mL)	36.5 g
8 fl oz (240 mL)	8 fl oz (240 mL)	48.6 g

Complex Essential MSD Drink Mix

Add contents of 1 scoop (40 g) to approx. 7 fl oz (210 mL) of cold water.

Complex MSD Amino Acid Blend

Simply add one serving to single portion of low protein food, beverage or other MSUD formula. The appropriate serving size must be established and consumed to meet prescribed amino acid protein requirements. Not intended to be added to plain water.

Precautions:

- Must be consumed by individuals with proven maple syrup urine disease. Not intended for infants. Not intended as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened can at room temperature. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month of opening.

GlutarAde™ GA-1: Junior, Essential and Amino Acid Blend

Medical foods for the dietary management of Glutaric Aciduria Type 1 (GA-1) in children and adults, including pregnant women and woman of child-bearing age.

Administration:

- Use only under the direction of a physician or dietitian. GlutarAde must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet the lysine and general nutrient requirements.

Mixing Instructions:

- Add prescribed amount of GlutarAde Powder to cold water, shake or stir until completely mixed together.
- Dilution may be adjusted to taste. See recommended dilution below for a guideline.
- Once prepared, store formula in a refrigerator for no more than 24 hours from the time of preparation. Shake or stir prepared formula immediately before use.
- Do not heat, bake or add to food or beverages above 130°F.

Recommended Dilution

- GlutarAde Junior GA-1 Drink Mix**

Dilution of approx. 20 calories per 1 fl oz (30 mL)

To Make Approx.	Water	Amount of Powder
2 fl oz (60 mL)	2 fl oz (60 mL)	9.8 g
4 fl oz (120 mL)	4 fl oz (120 mL)	19.5 g
6 fl oz (180 mL)	6 fl oz (180 mL)	29 g
8 fl oz (240 mL)	8 fl oz (240 mL)	39 g

1 level, unpacked scoop provides approx. 9.8 g of powder. For better accuracy use a gram scale.

Dilution of approx. 30 calories per 1 fl oz (30 mL)

To Make Approx.	Water	Amount of Powder
2 fl oz (60 mL)	2 fl oz (60 mL)	14.7 g
4 fl oz (120 mL)	4 fl oz (120 mL)	29.4 g
6 fl oz (180 mL)	6 fl oz (180 mL)	44.1 g
8 fl oz (240 mL)	8 fl oz (240 mL)	58.8 g

GlutarAde GA-1 Essential Drink Mix

Add contents of 1 scoop (40g) to approx. 7 fl oz (210 mL) of cold water.

GlutarAde GA-1 Amino Acid Blend

Simply add one serving to single portion of low protein food, beverage or other GA-1 formula. The appropriate serving size must be established and consumed to meet prescribed amino acid protein requirements. Not intended to be added to plain water.

Precautions:

- Must be consumed by individuals with proven glutaric aciduria type 1. Not intended for infants. Not intended as the sole source of nutrition. Not for parenteral use.

Storage:

- Store unopened can at room temperature. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month of opening.

UCD Anamix® Junior

Age-specific medical food for the dietary management of urea cycle disorders in individuals over 1 year of age.

Administration:

- Must be consumed in conjunction with whole protein, fluid and other nutrients in quantities prescribed by a physician or dietitian to meet protein and general nutrition requirements.
- Recommended intake of UCD Anamix Junior is dependent on age, body weight and medical condition of the individual. Intake is adjusted to maintain normal growth and development. For accuracy, weigh on a gram scale. The daily intake should be divided into equal portions and distributed throughout the day.
- UCD Anamix Junior is intended for patients over 1 year of age, including pregnant women and women of child-bearing age.

Mixing Instructions:

- Best served chilled with meals.
- Pour the required volume of cold water into a glass or cup.
- Add the prescribed amount of UCD Anamix Junior powder to the water and stir. For accuracy it is recommended to use a gram scale.

Visit NutriciaLearningCenter.com for a practical guide for the use of UCD Anamix Junior.

- It is recommended that UCD Anamix Junior be prepared at a 1 to 3.5 dilution. This dilution is a guideline only. An alternative dilution may be recommended by a clinician or dietitian (e.g. drink or paste). If given in a more concentrated form, water or diluted drinks should be offered at the same time.

Dilution Guidelines for UCD Anamix Junior

Dilution	Amount of Powder	Volume of Water	Approx. PE
1 to 3.5	50 g (10 scoops)	175 mL (approx. 6 fl oz)	6.0 g

Precautions:

- Must only be given under strict medical supervision to patients with proven urea cycle disorders. Not intended for children under one year of age. Not suitable as the sole source of nutrition. Not for parenteral use.

Storage:

- Once reconstituted store in a refrigerator and use within 24 hours.
- Store unopened cans in a cool, dry place. Do not store at extreme temperatures. Once opened, reseal can and store in a cool, dry place (not in refrigerator) and use within one month.



LOW PROTEIN FOODS



Find more information and resources on these and all of our products at www.NutriciaLearningCenter.com



Loprofin, Milupa, Wel-Plan® and Maddy's Low Protein Foods

A line of low protein foods including: baking mixes, cake mix, pasta, rice, cereals, drink mix, cookies, energy bars and other snacks

Main Features:

- A wide range of products to add variety to a protein-restricted diet

Indications:

- Dietary management of inherited metabolic disorders
- Renal or liver failure requiring a low protein diet
- Other medical conditions where a low protein diet is indicated

For more information, visit www.MedicalFood.com



NEUROLOGY



KetoCal® 3:1 Powder

A nutritionally complete, ketogenic formula in a 3:1 ratio (fat:carbohydrate + protein) for the dietary management of intractable epilepsy and other medical conditions where the ketogenic diet is indicated; designed for individuals over 1 year of age. A medical food.

Main Features:

- Nutritionally complete
- DHA and ARA
- 3:1 ratio
- Unflavored
- Nutrient dense for children with low energy requirements
- Appropriate for enteral or oral feedings
- Standard dilution = 1 kcal/mL
- Osmolality (at 1 kcal/mL) 150 mOsm/kg
- No artificial sweeteners
- Energy distribution:

Protein	8.8%
Carbohydrate	4.1%
Fat (LCT 100%)	87.1%
- Displacement 1 mL/g

Indications:

- Intractable epilepsy
- Pyruvate dehydrogenase deficiency (PDH)
- Glucose transporter type-1 deficiency (GLUT1)
- Other disorders where the ketogenic diet is indicated

For details on administration, please see pages 162-163.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
16672	49735-0166-72	B4154	6 x 300 g (11 oz)	2097

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal*	Minerals	Per 100 g	Per 100 kcal*
Calories	699	100	Calcium, mg	760	109
Protein, g	15.3	2.2	Phosphorus, mg	510	73.0
Carbohydrate, g	7.2	1.0	Magnesium, mg	95.0	13.6
Fat, g	67.7	9.7	Iron, mg	10.9	1.6
Saturated, g	25.5	3.6	Zinc, mg	7.4	1.1
Monounsaturated, g	22.3	3.2	Manganese, mcg	570	81.5
Polyunsaturated, g	16.6	2.4	Copper, mcg	760	109
DHA, mg	116	16.6	Iodine, mcg	124	17.7
AHA, mg	116	16.6	Molybdenum, mcg	31.3	4.5
Vitamins			Chromium, mcg	26.2	3.7
Vitamin A, IU (mcg RE)	1748 (525)	250 (75.1)	Selenium, mcg	18.9	2.7
Vitamin D, IU (mcg)	508 (12.7)	72.7 (1.8)	Sodium, mg (mEq)	287 (12.5)	41.0 (1.8)
Vitamin E, IU (mg α TE)	11.8 (7.9)	1.7 (1.1)	Potassium, mg (mEq)	900 (23.1)	129 (3.3)
Vitamin K, mcg	55.9	8.0	Chloride, mg (mEq)	440 (12.6)	62.9 (1.8)
Thiamin, mg	0.89	0.13	L-Carnitine, mg	48.0	4.6
Riboflavin, mg	0.70	0.10	Taurine, mg	48.0	4.6
Vitamin B6, mg	0.70	0.10			
Vitamin B12, mcg	1.4	0.20			
Niacin, mg	4.9	0.70			
Folic Acid, mcg	140	20			
Pantothenic Acid, mg	2.8	0.40			
Biotin, mcg	13.9	2.0			
Vitamin C, mg	84.0	12.0			
Choline, mg	180	25.8			
Inositol, mg	153	21.9			

*Standard Dilution = 30 kcal/fl oz

Ingredients:

Refined Vegetable Oils (Palm, Soy, Sunflower), Milk Protein (Casein, Whey), Lactose (Milk), Tricalcium Phosphate, Tripotassium Citrate, Corn Syrup Solids, Potassium Chloride, Calcium Phosphate Dibasic, Magnesium Acetate, Choline Bitartrate, L-Cystine, M. Alpina Oil*, C. Cohnii Oil**, L-Tryptophan, M-Inositol, Ferrous Sulfate, Sodium Caseinate (Milk), Sodium Chloride, Sodium Ascorbate, L-Ascorbic Acid, L-Carnitine, Taurine, Mono and Diglycerides, Zinc Sulfate, DL-alpha Tocopheryl Acetate, Niacinamide, Soy Lecithin, Calcium D-Pantothenate, Cupric Sulfate, Manganese Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Potassium Iodide, Folic Acid, Ascorbyl Palmitate, Mixed Tocopherols, Chromium Chloride, Sodium Molybdate, Phylloquinone, Sodium Selenite, D-Biotin, Vitamin D₃, Cyanocobalamin.

Contains: Milk, Soy

*A Source of Arachidonic Acid (ARA)

**A Source of Docosahexaenoic Acid (DHA)



KetoCal® 4:1 Powder

A nutritionally complete, ketogenic formula in a 4:1 ratio (fat:carbohydrate + protein) for the dietary management of intractable epilepsy and other conditions where the ketogenic diet is indicated; designed for individuals over 1 year of age. A medical food.

IMPROVED

Main Features:

- Nutritionally complete
- 4:1 ratio
- Vanilla flavor
- DHA and ARA
- Contains a multi-fiber blend
- Contains sucralose
- Nutrient dense for children with low energy requirements
- Appropriate for enteral or oral feedings
- No *trans* fat
- Standard dilution = 1 kcal/mL
- Osmolality (at 1 kcal/mL): 170 mOsm/kg
- Energy distribution:

Protein	8.2%
Carbohydrate	3.1%
Fiber	1.5%
Fat (LCT 100%)	88.7%
- Displacement 1 mL/g

Indications:

- Intractable epilepsy
- Pyruvate dehydrogenase deficiency (PDH)
- Glucose transporter type-1 deficiency (GLUT1)
- Other disorders where the ketogenic diet is indicated

For details on administration, please see pages 162-163.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
101777	49735-0166-70	B4154	6 x 300 g (11 oz)	2103

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal	Minerals, Trace Elements	Per 100 g	Per 100 mL
Energy, kcal (kJ)	705 (2950)	100 (411)	Calcium, mg	700	99.3
Protein, g	14.4	2	Phosphorus, mg	420	59.6
Carbohydrate, g	8.2	1.2	Magnesium, mg	96.3	13.7
Fiber, g	5.3	0.75	Iron, mg	7	0.99
Soluble, g	3.2	0.45	Zinc, mg	3.6	0.51
Insoluble, g	2.1	0.3	Manganese, mg	0.83	0.12
Fat, g	69.2	9.8	Copper, mg	0.5	0.071
Saturated, g	26.7	3.8	Iodine, mg	0.0862	0.0122
Monounsaturated, g	22.8	3.2	Molybdenum, mg	0.0287	0.0041
Polyunsaturated, g	19.7	2.8	Chromium, mg	0.0148	0.0021
Arachidonic Acid, mg	112	17	Selenium, mg	0.027	0.0038
Docosahexaenoic Acid, mg	110	15.6	Sodium, mg	481	68.2
Vitamins			Potassium, mg	771	109
Vitamin A, IU (mcg)	1232 (370)	175 (52.5)	Chloride, mg	726	103
Vitamin D, IU (mcg)	420 (10.5)	59.6 (1.5)	L-Carnitine, mg	45	6.4
Vitamin E, IU (mg α TE)	15.9 (10.7)	2.3 (1.5)	Taurine, mg	33	4.7
Vitamin K, mg	0.031	0.0044			
Thiamin, mg	0.89	0.13			
Riboflavin, mg	0.7	0.1			
Vitamin B6, mg	0.7	0.1			
Vitamin B12, mg	0.0013	0.00018			
Niacin, mg	4.9	0.7			
Folic Acid, mg	0.116	0.0165			
Pantothenic acid, mg	2.9	0.41			
Biotin, mg	0.0191	0.0027			
Vitamin C, mg	40	5.7			
Choline, mg	320	45.5			
Inositol, mg	19.1	2.7			

* Standard Dilution = 1 kcal/mL
Fiber is not included in calculating the ketogenic ratio

Ingredients:

Refined Vegetable Oils (Palm, Soy, High Oleic Sunflower), Casein (Milk), Soy Lecithin, Whey (Milk), Microcrystalline Cellulose, Chicory Root Inulin, Calcium Carbonate, Corn Syrup Solids, Fructooligosaccharide (FOS), Silicon Dioxide, Gum Arabic, Tripotassium Citrate, Potassium Chloride, Sodium Chloride, Calcium Phosphate Tribasic, High Amylose Corn Starch, Artificial Flavor (Vanilla), L-Arginine, L-Cystine, Choline Bitartrate, M. Alpina Oil*, C. Cohnii Oil**, Soy Fiber, L-Tryptophan, Magnesium Oxide, Sodium Caseinate (Milk), Sodium Ascorbate, L-Phenylalanine, Maltodextrin, L-Ascorbic Acid, L-Valine, L-Tyrosine, L-Carnitine, Taurine, Ferrous Sulfate, Mono- and Diglycerides, DL-alpha Tocopheryl Acetate, Sucralose§, M-Inositol, L-Histidine, Zinc Sulfate, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Cupric Sulfate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Ascorbyl Palmitate, Mixed Tocopherols, Folic Acid, Potassium Iodide, Sodium Molybdate, Chromium Chloride, Sodium Selenite, Phylloquinone, D-Biotin, Cholecalciferol, Cyanocobalamin.

Contains: Milk, Soy

* A source of Arachidonic Acid (ARA)

** A source of Docosahexaenoic Acid (DHA)

§ Contains sucralose 14.2 mg/100 mL



KetoCal® 4:1 LQ

A nutritionally complete, ready-to-feed ketogenic formula in a 4:1 ratio (fat:carbohydrate + protein) for the dietary management of intractable epilepsy and other conditions where the ketogenic diet is indicated; designed for individuals over 1 year of age. A medical food.

Main Features:

- Nutritionally complete
- 4:1 ratio
- Convenient ready-to-feed liquid
- Great vanilla flavor or unflavored
- Contains a multi-fiber blend
- DHA and ARA
- Appropriate for enteral or oral feedings
- No *trans* fat
- Aspartame-free (contains sucralose)
- Nutrient dense for children with low energy requirements
- Osmolality (at 1.5 kcal/mL):
Vanilla 260 mOsm/kg
Unflavored 280 mOsm/kg
- Energy distribution:
Protein 8.2%
Carbohydrate 3.1%
Fiber 1.5%
Fat (LCT 100%) 88.7%
Free water 77.8%
Density 1.01g/mL

Indications:

- Intractable epilepsy
- Pyruvate dehydrogenase deficiency (PDH)
- Glucose transporter type-1 deficiency (GLUT1DS)
- Other disorders where the ketogenic diet is indicated

For details on administration, please see pages 162-163.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Box
80180 - Vanilla	49735-0187-96	B4154	27 x 237 mL (8 fl oz)	356
80183 - Unflavored	49735-0130-54	B4154	27 x 237 mL (8 fl oz)	356

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 mL	Per Tetra Pak (237 mL)	Minerals, Trace Elements	Per 100 mL	Per Tetra Pak (237 mL)
Calories	150	356	Calcium, mg	88.4	210
Protein, g	3.09	7.32	Phosphorus, mg	88.4	210
Carbohydrate, g	1.73	4.10	Magnesium, mg	22.7	53.8
Fiber, g	1.12	2.65	Iron, mg	1.5	3.6
Soluble, g	0.56	1.33	Zinc, mg	1.2	2.8
Insoluble, g	0.56	1.33	Manganese, mg	0.18	0.43
Fat, g	14.8	35.1	Copper, mcg	120	284
Saturates, g	2.2	5.2	Iodine, mcg	18.5	43.8
Monounsaturates, g	8.3	19.7	Molybdenum, mcg	6.2	14.7
Polyunsaturates, g	3.7	8.8	Chromium, mcg	3.2	7.6
Linoleic Acid, mg	3228	7650	Selenium, mcg	7.1	16.8
α-Linolenic Acid, mg	313	741	Sodium, mg (mEq)	103 (4.5)	244 (10.6)
DHA, mg	55	131	Potassium, mg (mEq)	165 (4.2)	391 (10.02)
ARA, mg	55	131	Chloride, mg (mEq)	155 (4.4)	367 (10.4)
			L-Carnitine, mg	8.3	19.7
			Taurine, mg	6.3	14.9
Vitamins					
Vitamin A, IU (mcg R.E.)	264 (79.2)	626 (188)			
Vitamin D, IU (mcg)	92.0 (2.3)	220 (5.5)			
Vitamin E, IU (mg α T.E.)	2.3 (1.5)	5.5 (3.6)			
Vitamin K, mcg	5.6	13.3			
Thiamin, mg	0.19	0.45			
Riboflavin, mg	0.15	0.36			
Vitamin B6, mg	0.15	0.36			
Vitamin B12, mcg	0.17	0.40			
Niacin, mg	1.5	3.6			
Folic Acid, mcg	28.7	68.0			
Pantothenic Acid, mg	0.62	1.5			
Biotin, mcg	4.1	9.7			
Vitamin C, mg	9.3	22.0			
Choline, mg	51.5	122			
Inositol, mg	4.1	9.7			

Fiber is not included in calculating the ketogenic ratio.

Ingredients:

Water, Refined Vegetable Oil (High Oleic Sunflower, Soy, Palm), Sodium Caseinate (Milk), Whey Protein Concentrate (Milk), Soy Fiber, Corn Starch, Inulin, CAEM (an Emulsifier), Dipotassium Phosphate, Gum Arabic, Calcium Chloride, M. Alpina Oil*, Magnesium Acetate, Potassium Chloride, C. Cohnii Oil**, Microcrystalline Cellulose, Fructooligosaccharide, L-Ascorbic Acid, Calcium Phosphate Monobasic, Mono and Diglycerides, Trisodium Citrate, Sodium Hydroxide, Choline Chloride, L-Cystine, Calcium Phosphate Dibasic, Propylene Glycol Alginate, Ferrous Lactate, L-Carnitine, Taurine, M-Inositol, L-Tryptophan, Zinc Sulfate, DL-Alpha Tocopheryl Acetate, Soy Lecithin, Niacinamide, Calcium D-Pantothenate, Manganese Sulfate, Ascorbyl Palmitate, Cupric Sulfate, Thiamin Chloride Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Mixed Tocopherols, DL-Alpha Tocopherol, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Phylloquinone, D-Biotin, Vitamin D3, Cyanocobalamin.

Contains: Milk, Soy

Unflavored version also contains: Sugar.

Vanilla flavored version also contains: Artificial Flavor, Sugar, Artificial Sweetener: Sucralose, Sodium Hydroxide, Choline Chloride.

* A Source of Arachidonic Acid (ARA)

** A Source of Docosahexaenoic Acid (DHA)

KetoCal® Family

Directions for Preparation:

For oral and tube feeding:

KetoCal 3:1 and 4:1 Powders

1. Measure the required amount of warm water into a container that seals with a screw top lid. To completely dissolve the powder, the water must be at a temperature of 113-122°F (45-50°C).
2. Add the prescribed amount of KetoCal to the water.
3. Cover and shake until the powder has dissolved.
4. Once prepared, the formula should be stored in a refrigerator and kept no longer than 24 hours.

Directions for Use:

- For oral feeding, best served chilled and consumed immediately.
- **Tube feeding hang time:** Nutricia recommends formula can be safely kept at room temperature for up to 4 hours, at which time unused formula should be discarded.
- It is recommended that the tube is flushed with lukewarm water (approximately 98°F or 37°C) between each feed.
- Do not boil or microwave formula.
- Do not freeze. Recommended storage between 39°F-77°F (4°C-25°C).
- Once powdered formula is prepared or liquid formula is open, use immediately or refrigerate promptly at 39°F/4°C or less and use within 24 hours.

Mixing Guide:

KetoCal 4:1 Powder

Dilution to be determined by medical prescription:

Dilution	Powder	Water	Final Volume	Osmolality
20 kcal/fl oz	9.5 g	91 mL	100 mL	110 mOsm/kg
24 kcal/fl oz	11.4 g	88 mL	100 mL	130 mOsm/kg
30 kcal/fl oz	14.2 g	86 mL	100 mL	170 mOsm/kg
45 kcal/fl oz	21.3 g	79 mL	100 mL	260 mOsm/kg

A gram scale is necessary for proper preparation of formula.

KetoCal 3:1 Powder

Dilution to be determined by medical prescription:

Dilution	Powder	Water	Final Volume	Osmolality
20 kcal/fl oz	9.5 g	90 mL	100 mL	100 mOsm/kg
24 kcal/fl oz	11.4 g	89 mL	100 mL	120 mOsm/kg
30 kcal/fl oz	14.3 g	86 mL	100 mL	150 mOsm/kg
45 kcal/fl oz	21.4 g	79 mL	100 mL	240 mOsm/kg

A gram scale is necessary for proper preparation of formula.

Storage:

Store unopened product in a cool, dry place and away from sunlight.

KetoCal 3:1 and 4:1 Powders: Once can has been opened, replace container lid and store in a cool, dry place (not in a refrigerator). Use within one month.

Volume and Ordering Guide

Calories/day	Calories/mo	KetoCal 4:1 Powder		KetoCal 3:1 Powder		KetoCal 4:1 LQ (Vanilla or Unflavored)	
		Cans/mo	Cases/mo	Cans/mo	Cases/mo	Drink Boxes/mo	Cases/mo
600	18000	9	2	9	2	51	2
700	21000	10	2	11	2	59	3
800	24000	12	2	12	2	68	3
900	27000	13	3	13	3	76	3
1000	30000	15	3	15	3	85	4
1100	33000	16	3	16	3	93	4
1200	36000	18	3	18	3	102	4
1300	39000	19	4	19	4	110	5
1400	42000	20	4	21	4	118	5
1500	45000	22	4	22	4	127	5
1600	48000	23	4	23	4	135	5
1700	51000	25	5	25	5	144	6
1800	54000	26	5	26	5	152	6
1900	57000	28	5	28	5	161	6
2000	60000	29	5	29	5	169	7

*Number of cans and cases per month are rounded up to the nearest whole number.

Caution:

- Monitor for hypoglycemia, renal stones, hyperlipidemia, and adequate growth.
- **USE ONLY UNDER STRICT MEDICAL SUPERVISION. NOT FOR PARENTERAL USE.**
- Intake to be determined by a medical professional and is dependent on the age, body weight, and medical condition of the patient.



SPECIALIZED ADULT NUTRITION



Find more information and resources on these and all of our products at www.NutriciaLearningCenter.com



Pro-Stat[®] Sugar Free

A sugar free, ready-to-drink liquid protein medical food providing 15 g of enzyme-hydrolyzed complete protein and 100 calories per 1 fl oz.

Main Features:

- Clinically supported in 3 published trials
 - Managing wounds (1 study)¹
 - Improving anabolism (1 study)²
 - Preserving lean body mass (1 study)³
- Nutrient dense, providing 15 g of protein and 100 calories per 1 fl oz
- Hydrolyzed for rapid absorption & efficient utilization⁴
- High in conditionally indispensable amino acids needed for recovery⁵⁻¹⁰
- Sugar free
- Nectar-like viscosity
- Lactose free, gluten free, and soy free
- Kosher
- Available in 4 great tasting flavors
- Available in bottles (6/case) or unit doses (96/case)
- For oral and enteral use

Indications:

- Increased protein needs in low volume related to:
 - Stage 1 & 2 pressure ulcers
 - Wounds (diabetic, venous, surgical, burns)
 - Unintentional muscle loss
 - Protein-Energy Malnutrition
 - Low serum proteins
 - Sarcopenia

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
10064 - Wild Cherry Punch (bottle)	26974-0410-07	B4155	6 x 30 fl oz	3000
30064 - Citrus Splash (bottle)	26974-0300-64	B4155	6 x 30 fl oz	3000
40064 - Vanilla (bottle)	26974-0410-40	B4155	6 x 30 fl oz	3000
50064 - Grape (bottle)	26974-0410-50	B4155	6 x 30 fl oz	3000
10464-U - Wild Cherry Punch (unit)	26974-0410-17	B4155	96 x 1 fl oz	100
30464-U - Citrus Splash (unit)	26974-0410-64	B4155	96 x 1 fl oz	100
40464-U - Vanilla (unit)	26974-0410-42	B4155	96 x 1 fl oz	100
50464-U - Grape (unit)	26974-0410-52	B4155	96 x 1 fl oz	100

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	100
Protein, g	15
Fat, g	0
Carbohydrate, g	10
Minerals	
Sodium, mg	50
Potassium, mg	20
Phosphorus, mg	50

Ingredients:

Hydrolyzed Collagen Protein, Water, Glycerin, Malic Acid. Contains 2% or less: Potassium Sorbate (to help protect flavor), Sodium Benzoate (to help protect flavor), Sucralose, L-Tryptophan, Phosphoric Acid.

Wild Cherry Punch flavored version of this product contains 2% or less of each of the following: Natural flavors.

Citrus Splash, Grape and Vanilla flavored versions of this product contains 2% or less of each of the following: Natural and Artificial flavors.

Administration:

- Use under medical supervision
- Healthcare professionals should determine intake based on condition, estimated need, and dietary intake.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-3 servings per day.
One serving = 1 fl oz.

Oral Feeding:

- Shake well before opening. Can be taken straight or mixed with any hot or cold beverages or food.

Tube Feeding:

- Flush feeding tube with 30-60 mL of water.
- Pour 30 mL of Pro-Stat in a 4-6 fl oz container.
- Add 30-60 mL water and mix well with disposable spoon or tongue blade.
- Administer Pro-Stat via syringe.
- Flush with 30-60 mL of water.

Precautions:

- Do not add Pro-Stat to an open or closed system of the tube feeding formula or into a container of enteral feeding.
- Do not add medications to Pro-Stat, even after dilution.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store at room temperature.
- Refrigeration causes gelling.
- Discard 3 months after opening.
- Record date opened on bottom of container.
- Do not use if seal is broken.

1. Lee SK, et al. *Adv Skin Wound Care*. 2006;19:92-6. 2. Sundell MB, et al. *J Ren Nutr*. 2009;19:412-21. 3. Hays NP, et al. *J Am Diet Assoc*. 2009;109:1082-7. 4. Koopman R, et al. *Am J Clin Nutr*. 2009;90:106-15. 5. Morris Jr, SM. *Annu Rev Nutr*. 1992;12:81-101. 6. Curis E, et al. *Amino Acids*. 2005;29:177-205. 7. Wu G, et al. *Biochem J*. 1992;281:45-8. 8. Schwedhelm E, et al. *Br J Clin Pharmacol*. 2008;65:51-9. 9. Waugh WH, et al. *Am J Hematol*. 1999;61:216. 10. Waugh WH, et al. *J Natl Med Assoc*. 2001;93:363-71.



Pro-Stat® Sugar Free AWC (Advanced Wound Care)

A sugar free ready-to-drink liquid protein medical food providing 17 g of enzyme-hydrolyzed complete protein and 100 calories per 1 fl oz, with added arginine, citrulline, cystine, vitamin C and zinc.

Main Features:

- Clinically shown in one study to promote pressure ulcer and wound healing¹
- Nutrient dense, providing 17 g of protein and 100 calories per 1 fl oz
- Contains added arginine, citrulline, cystine, vitamin C and zinc
- Hydrolyzed for rapid absorption & efficient utilization²
- High in conditionally indispensable amino acids needed for recovery³⁻⁸
- Sugar free
- Honey-like viscosity
- Lactose free, gluten free, and soy free
- Kosher
- Available in 2 great tasting flavors
- Available in bottles (6/case) or unit doses (96/case)
- For oral and enteral use

Indications:

- Increased protein needs in low volume related to:
 - Stage 3 & 4 pressure ulcers
 - Multiple pressure ulcers
 - Hard to heal wounds (diabetic, venous, surgical, burns)
 - Unintentional muscle loss
 - Protein-Energy Malnutrition
 - Low serum proteins
 - Sarcopenia

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
40130 - Wild Cherry Punch (bottle)	26974-0410-30	B4155	4 x 30 fl oz	3000
40230 - Citrus Splash (bottle)	26974-0410-23	B4155	4 x 30 fl oz	3000
40130-U - Wild Cherry Punch (unit)	26974-0410-31	B4155	96 x 1 fl oz	100
40230-U - Citrus Splash (unit)	26974-0410-24	B4155	96 x 1 fl oz	100

1. Lee SK, et al. *Adv Skin Wound Care*. 2006;19:92-6. 2. Koopman R, et al. *Am J Clin Nutr*. 2009;90:106-15. 3. Morris Jr, SM. *Annu Rev Nutr*. 1992;12:81-101. 4. Curis E, et al. *Amino Acids*. 2005;29:177-205. 5. Wu G, et al. *Biochem J*. 1992;281:45-8. 6. Schwedhelm E, et al. *Br J Clin Pharmacol*. 2008;65:51-9. 7. Waugh WH, et al. *Am J Hematol*. 1999;61:216. 8. Waugh WH, et al. *J Natl Med Assoc*. 2001;93:363-71.

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	100
Protein, g	17
L-Arginine, g	3.3
Fat, g	0
Carbohydrate, g	7
Vitamins	
Vitamin C, mg	175
Minerals	
Zinc, mg	10
Sodium, mg	50
Potassium, mg	20
Phosphorus, mg	50

Ingredients:

Hydrolyzed Collagen Protein, Water, Glycerin, Malic Acid, L-Arginine. Contains 2% or less: L-Citrulline, L-Tryptophan, L-Cysteine HCL, Phosphoric Acid, Ascorbic Acid, Potassium Sorbate (to help protect flavor), Sodium Benzoate (to help protect flavor), Sucralose, Zinc Sulfate.

Wild Cherry Punch flavored version of this product contains 2% or less of each of the following: Natural flavors.

Citrus Splash flavored version of this product contains 2% or less of each of the following: Natural and Artificial Flavors.

Administration:

- Use under medical supervision
- Healthcare professionals should determine intake based on condition, estimated need, and dietary intake.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-3 servings per day.
- One serving = 1 fl oz.

Oral Feeding:

- Shake well before opening. Can be taken straight or mixed with any hot or cold beverages or food.

Tube Feeding:

- Flush feeding tube with 30-60 mL of water.
- Pour 30 mL of Pro-Stat in a 4-6 fl oz container.
- Add 30-60 mL water and mix well with disposable spoon or tongue blade.
- Administer Pro-Stat via syringe.
- Flush with 30-60 mL of water.

Precautions:

- Do not add Pro-Stat to an open or closed system of the tube feeding formula or into a container of enteral feeding.
- Do not add medications to Pro-Stat, even after dilution.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store at room temperature.
- Refrigeration causes gelling.
- Discard 3 months after opening.
- Record date opened on bottom of container.
- Do not use if seal is broken.



Pro-Stat® MAX

A sugar free, hydrolyzed whey-based liquid protein medical food. 100% PDCAAS* protein and 80 calories in 1 fl oz.

Main Features:

- Nutrient dense, providing 11 g of 100%-PDCAAS* protein and 80 calories in 1 fl oz to help meet high protein demands¹
- Whey-based hydrolyzed complete protein
- Optimal amount of all 9 indispensable amino acids needed for efficient protein synthesis²⁻⁶
- Sugar free
- Nectar-like viscosity
- Gluten free and soy free
- Available in great tasting grape flavor
- Available in bottles (4/case) and unit doses (96/case)
- For oral and enteral use

Indications:

- Increased protein needs in low volume related to:
 - Pressure ulcers
 - Wounds (diabetic, venous, surgical, burns)
 - Critical illness**
 - Unintentional muscle loss
 - Protein-Energy Malnutrition
 - Low serum proteins
 - Sarcopenia
 - Pre- and post-surgery
 - Cancer

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
90001 - Grape (bottle)	26974-0900-01	B4155	4 x 30 fl oz	2400
90001-U - Grape (unit)	26974-1900-01	B4155	96 x 1 fl oz	80

* PDCAAS = Protein Digestibility Corrected Amino Acid Score.

The Food and Agriculture Organization (FAO), World Health Organization (WHO), Institute of Medicine (IOM) and Food and Drug Administration (FDA) use this method for evaluating protein quality. PDCAAS rates the utilization and digestibility of protein.

** ICU stay for >2-3 days.

1. McClave SA, et al. J Parenter Enteral Nutr. 2009;33:277-316. 2. Pennings B, et al. Am J Clin Nutr. 2011;93:997-1005. 3. Katsanos CS, et al. Nutr Res. 2008;28:651-8. 4. FAO/WHO Expert Consultation. FAO Food and Nutrition Paper. 1991;51. 5. Institute of Medicine of the National Academies. Dietary Reference Intakes for Energy, Carbohydrates, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids (Macronutrients). 2005: 737. 6. Castellanos VH, et al. Nutr in Clin Prac. 2006;21:485-504.

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	80
Protein, g	11
Fat, g	0
Carbohydrate, g	9
Minerals	
Sodium, mg	35
Potassium, mg	40
Phosphorus, mg	60
Calcium, mg	60

Ingredients:

Water, Glycerin, Hydrolyzed Whey Protein, Hydrolyzed Collagen Protein, Malic Acid. Contains 2% or less: Natural & Artificial Flavor, Phosphoric Acid, L-Phenylalanine, L-Histidine, L-Tryptophan, L-Methionine, Sucralose, Potassium Sorbate (to help protect flavor), Sodium Benzoate (to help protect flavor).

Contains milk (whey).

Administration:

- Use under medical supervision.
- Healthcare professionals should determine intake based on condition, estimated need, and dietary intake.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-3 servings per day.
One serving = 1 fl oz.

Oral Feeding:

- Shake well before opening. Can be taken straight or mixed with any hot or cold beverages or food.

Tube Feeding:

1. Flush feeding tube with 30-60 mL of water.
2. Shake well before opening unit dose or bottle.
3. Pour 30 mL of Pro-Stat MAX in a 4-6 fl oz container.
4. Add 30-60 mL water and mix well with disposable spoon or tongue blade.
5. Administer Pro-Stat MAX via syringe.
6. Flush with 30-60 mL of water.

Precautions:

- Do not add Pro-Stat to an open or closed system of the tube feeding formula or into a container of enteral feeding.
- Do not add medications to Pro-Stat, even after dilution.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store at room temperature.
- Refrigeration causes gelling.
- Discard 3 months after opening.
- Record date opened on bottom of container.
- Do not use if seal is broken.



Pro-Stat® Renal Care

A sugar free, ready-to-drink liquid protein medical food providing 15 g of enzyme-hydrolyzed complete protein, 3 g of prebiotic fiber and 100 calories per 1 fl oz.

Main Features:

- Clinically shown in one study to improve protein anabolism in hemodialysis patients¹
- 15 g of complete protein and 3 g of prebiotic soluble fiber in 1 fl oz
- Hydrolyzed for rapid absorption and efficient utilization²
- High in conditionally indispensable amino acids needed for recovery³⁻⁸
- Low volume making it appropriate for fluid restricted
- Sugar free
- Honey-like viscosity
- Lactose free, gluten free, and soy free
- Kosher
- Available in great tasting tangerine flavor
- Available in bottles (6/case) or unit doses (96/case)
- For oral and enteral use

Indications:

- Increased protein needs in low volume related to:
 - Pressure ulcers
 - Wounds (diabetic, venous, surgical, burns)
 - Dialysis
 - Unintentional muscle loss
 - Protein-Energy Malnutrition
 - Low serum proteins
 - Sarcopenia
 - Fluid Restricted
 - Inadequate protein & fiber intake

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
60064 - Tangerine (bottle)	26974-0410-64	B4155	6 x 30 fl oz	3000
60064-U - Tangerine (unit)	26974-0420-65	B4155	96 x 1 fl oz	100

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	100
Protein, g	15
Fat, g	0
Carbohydrate, g	6
Fiber, g	3
Minerals	
Sodium, mg	50
Potassium, mg	20
Phosphorus, mg	50

Ingredients:

Hydrolyzed Collagen Protein, Water, Glycerin, Polydextrose, Fructo-Oligosaccharides (FOS), Malic Acid. Contains 2% or Less: Natural & Artificial Flavor, Phosphoric Acid, L-Tryptophan, Sucralose, Potassium Sorbate (to help protect flavor), Sodium Benzoate (to help protect flavor).

Administration:

- Use under medical supervision.
- Healthcare professionals should determine intake based on condition, estimated need, and dietary intake.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-3 servings per day.
One serving = 1 fl oz.

Oral Feeding:

- Shake well before opening. Can be taken straight or mixed with any hot or cold beverages or food.

Tube Feeding:

1. Flush feeding tube with 30-60 mL of water.
2. Pour 30 mL of Pro-Stat in a 4-6 fl oz container.
3. Add 30-60 mL water and mix well with disposable spoon or tongue blade.
4. Administer Pro-Stat via syringe.
5. Flush with 30-60 mL of water.

Precautions:

- Do not add Pro-Stat to an open or closed system of the tube feeding formula or into a container of enteral feeding.
- Do not add medications to Pro-Stat, even after dilution.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store at room temperature.
- Refrigeration causes gelling.
- Discard 3 months after opening.
- Record date opened on bottom of container.
- Do not use if seal is broken.

1. Sundell MB, et al. J Ren Nutr. 2009;19:412-21. 2. Koopman R, et al. Am J Clin Nutr. 2009;90:106-15. 3. Morris Jr, SM. Annu Rev Nutr. 1992;12:81-101. 4. Curis E, et al. Amino Acids. 2005;29:177-205. 5. Wu G, et al. Biochem J. 1992;281:45-8. 6. Schwedhelm E, et al. Br J Clin Pharmacol. 2008;65:51-9. 7. Waugh WH, et al. Am J Hematol. 1999;61:216. 8. Waugh WH, et al. J Natl Med Assoc. 2001;93:363-71.



UTI-Stat®

A ready-to-drink medical food providing cranberry concentrate with added ingredients (vitamin C, D-Mannose, fructo-oligosaccharides (FOS), and bromelain) in a 1 fl oz serving for urinary tract health.

Main Features:

- Clinically shown in two studies to manage urinary tract infections¹⁻²
- Low in sugar (1 g sugar per serving)
- Thin viscosity
- Lactose free, gluten free, and soy free
- Kosher
- Available in cranberry flavor
- Available in bottles (4/case) or unit doses (96/case)
- For oral and enteral use

Indications:

- Management of urinary tract infections
- Urinary tract health

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
60001 - Cranberry (bottle)	26974-0410-66	B4104	4 x 30 fl oz	2100
60001-U - Cranberry (unit)	26974-0410-67	B4104	96 x 1 fl oz	70

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	70*
Sugar, g	1
Minerals	
Sodium, mg	15
Potassium, mg	20
Phosphorus, mg	0
<i>Proprietary Blend (Cranberry Concentrate, Ascorbic Acid, D-Mannose, FOS, Bromelain)</i>	
<i>*Glycerin provides a source of calories</i>	

Ingredients:

Water, Glycerin, Proprietary Blend (Cranberry Concentrate, Ascorbic Acid, D-Mannose, Fructo-oligosaccharides (FOS), Bromelain). Contains 2 % or less: Sucralose, Acesulfame-K, Potassium Sorbate (to preserve flavor), Sodium Benzoate (to preserve flavor), Phosphoric Acid.

Administration:

- Use under medical supervision.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-2 servings per day as needed. One serving = 1 fl oz.

Oral Feeding:

- Can be taken straight or mixed with any hot or cold beverage.

Tube Feeding:

1. Flush feeding tube with 30-60 mL water.
2. Measure and administer dose prescribed.
3. Administer UTI-Stat straight into the enteral tube.
4. Flush the tube with additional 30 mL water.

Precautions:

- Not a substitute for antibiotics.
- This product is not intended for use as an analgesic.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store at room temperature.
- Refrigeration not necessary.
- Discard 3 months after opening.
- Record date opened on bottom of container.
- Do not use if seal is broken.

1. Posthauer ME. The Director. 2008;16:13-6. 2. Efras M, et al. Urology. 2010;76:841-5.



Diff-Stat®

A dietary supplement providing a blend of probiotics and a prebiotic that helps to promote intestinal health.[†]

Main Features:

- Probiotics and a prebiotic working to promote intestinal health[†]
 - *Saccharomyces boulardii*
 - *Bacillus coagulans*
 - *Fructo-oligosaccharides*
- Available in a convenient capsule or an unflavored powder pack
- No refrigeration required
- For oral or enteral feeding

Helps promote:

- Intestinal health[†]

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	Product Packaging	Calories Per Unit
80001 - Capsules (plain)	26974-0410-80	6 x 60 capsules	150
80001-U - Powder pack (Unflavored)	26974-0410-81	96 x 2 g	5

[†] 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.

Supplement Facts:

Serving Size: 2 Capsules

Amount Per Serving	Per 2 Capsules
Calories	5
Carbohydrate, g	<1
Dietary Fiber, g	<1
Proprietary blend, mg	942
<i>FOS (Fructo-oligosaccharides)</i>	
<i>Saccharomyces boulardii,</i>	
<i>Bacillus coagulans</i>	

Supplement Facts:

Serving Size: 1 Powder Pack (2 g)

Amount Per Serving	Per Powder Pack
Calories	5
Carbohydrate, g	1
Sugar, g	0.5
Proprietary blend, mg	942
<i>FOS (Fructo-oligosaccharides)</i>	
<i>Saccharomyces boulardii,</i>	
<i>Bacillus coagulans</i>	

Processing may impact level of colony forming units (CFU).

Other Ingredients:

Capsules: Gelatin, Natural & Artificial Flavors. Contains 2% or less: Rice Bran Extract, Rice Concentrate, Sucralose, Silicon Dioxide, and Ethyl Maltol. **Contains milk.**

Powder Packs: Microcrystalline cellulose, Maltodextrin, Silicon Dioxide.

Suggested Use:

- Take two capsules or one powder pack once daily.

Directions for Oral Consumption:

- Consume 2 capsules with fluid or break open capsule and consume.*
- Dissolve powder pack in 30 mL juice and consume.*

Directions for Diff-Stat Through a Feeding Tube:**

1. Flush the tube with 30-60 ml water.
 2. Mix contents of Diff-Stat with 30 mL water and administer immediately straight into the enteral tube.*
 3. Flush the tube with additional 30-60 mL water.
- * Diff-Stat is only viable for 30 minutes in solution.

** For residents/patients with a CVC, open Diff-Stat powder pack in a separate room. Probiotics could be aerosolized or inadvertently introduced into a CVC line when the pack is opened, presenting a contamination risk.

Precautions:

- Diff-Stat should be taken 1 hour before or 2 hours after antifungal medication.
- Do not use in case of yeast allergy.

Storage:

- Do not expose to excessive heat.
- Do not refrigerate.
- Keep bottle tightly closed. Store in a cool, dry place.

[†] 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.



Fiber-Stat®

A low volume liquid prebiotic fiber medical food for the dietary management of bowel regularity in persons unable to meet fiber requirements through a normal diet.

Main Features:

- 15 grams of soluble prebiotic fiber (60% DV) in 1 fl oz
- Contains fructo-oligosaccharides (FOS) and polydextrose to support total gut health¹⁻²
- Ready to drink or mix with any food or beverage
- Thin viscosity
- Lactose free, soy free and gluten free
- Kosher
- Available in bottles (6/case) or unit doses (96/case)
- For oral and enteral use

Indications:

- Constipation
- Bowel regularity
- Low fiber intake
- Colon health

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Unit
70001 (bottle)	26974-0410-70	B4104	6 x 30 fl oz	1500
70400-U (unit)	26974-0410-71	B4104	96 x 1 fl oz	50

Nutrition Information:

Nutrients	Per 30 mL (2 Tbsp)
Calories	50*
Carbohydrate, g	25
Sugar, g	2.5
Dietary Fiber, g	15
Soluble Fiber, g	15
Minerals	
Sodium, mg	15
Potassium, mg	52
Phosphorus, mg	25

* Glycerin & polydextrose provide a source of calories

Ingredients:

Water, Polydextrose, Glycerin, Prune Juice Concentrate, Fructo-oligosaccharides (FOS). Contains 2% or less: Sodium Benzoate (to help protect flavor), Potassium Sorbate (to help protect flavor), Phosphoric Acid.

Administration:

- Use under medical supervision.
- Healthcare professionals should determine intake based on condition, estimated need, and dietary intake.
- Administer orally or through feeding tube.

Suggested Intake:

- 1-2 servings per day.
One serving = 1 fl oz.

Oral Feeding:

- Can be taken straight or mixed with any hot or cold beverage.

Tube Feeding:

1. Flush feeding tube with 30-60 mL water.
2. Measure and administer the prescribed dose via syringe.
3. Administer Fiber-Stat straight into the enteral tube.
4. Flush the tube with additional 30-60 mL water.

Precautions:

- Do not consume more than 60 mL (4 Tbsp) per day without healthcare provider recommendation.
- Do not use if intestinal obstruction, fecal impaction or known allergy to any component is present.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Store and serve at room temperature.
- Refrigeration not necessary.
- Discard 3 months after opening. Record date opened on bottom of container.
- Do not use if seal is broken.

1. Losada MA, et al. Nutr Res. 2002;22:71-84. 2. Jie Z, et al. Am J Clin Nutr. 2000;72:1503-9.



preOp®

A clear non-carbonated lemon-flavored, iso-osmolar carbohydrate drink for preoperative surgical patients.

Main Features:

- Used in studies supporting the Enhanced Recovery After Surgery (ERAS) Society Consensus Guidelines¹
- Provides 24 g of carbohydrate per pack
- Available in great tasting lemon flavor
- Available in packs (6/case)

Indications:

- Preoperative surgery

Ordering/Reimbursement Information:

Product Code	Product Packaging	Calories Per Unit
10004	6 -0.95 oz packs	100

Nutrition Information:

Nutrients	Per 27 g
Calories	100
Fat, g	0
Carbohydrate, g	24
Dietary Fiber, g	0
Sugar, g	5
Protein, g	0
Minerals	
Sodium, mg	105
Potassium, mg	250
Chloride, mg	<15
Calcium, mg	<30
Phosphorus, mg	<65
Magnesium, mg	<5

Ingredients:

Maltodextrin, Fructose, Potassium Citrate. Contains 2% or less: Sodium Citrate, Citric Acid, Natural Lemon Flavor, Silicon Dioxide, and Sucralose.

Administration:

- Use under medical supervision.
- For oral use.

Suggested Use:

Patients on morning surgical list:

- **Loading serving-** Evening prior to surgery: Consume 4 packs each prepared with 6 fl oz water.
- **Final serving-** 2 hours prior to anesthesia: Consume 2 packs each prepared with 6 fl oz water.

Patients on afternoon surgical list:

- **Loading serving-** Morning of surgery: Consume 4 packs each prepared with 6 fl oz water.
- **Final serving-** 2 hours prior to anesthesia: Consume 2 packs each prepared with 6 fl oz water.

Oral Feeding:

- Add one packet of preOp to 6 fl oz of water and stir. Best served chilled.

Precautions:

- Use with caution in children and patients with diabetes.
- Not suitable for infants.
- Contraindicated for emergency surgery and patients with delayed gastric emptying.
- Not suitable for use as a sole source of nutrition.
- Not for enteral (tube feeding) or parenteral use.

Storage:

- Store in a cool, dry place.
- For best by date, see pack.

1. Mortensen K, et al. Br J Surg. 2014;101:1209-29.



OTHER NUTRITIONALS



Monogen®

A milk protein-based powder, low in fat, and high in medium chain triglycerides (MCT).
A medical food for individuals over 1 year of age.

Main Features:

- 26% of calories from fat
- 84% of fat as MCT
- Now contains DHA and ARA
- Provides protein as a casein/whey mix; casein 61%, whey 39%
- Contains complete profile of vitamins and minerals including trace elements
- Osmolality (mOsm/kg):
Dilution
0.73 kcal/mL: 235 mOsm/kg
1.0 kcal/mL: 289 mOsm/kg
- Displacement: 0.83 mL/g

Indications:

- Long chain fatty acid oxidation disorders
- Hyperlipoproteinemia type 1
- Other lipid and lymphatic disorders where a low fat, high MCT diet is indicated
- Chylothorax

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
106033	49735-0160-33	B4150 or B4158	6 x 400 g (14.1 oz)	1776

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

IMPROVED

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal	Nutrients	Per 100 g	Per 100 kcal
Calories, kcal	444	100	Pantothenic Acid, mg	2.0	0.45
Protein Equivalent, g	12.9	2.9	Biotin, mcg (mg)	12.8	2.9
Fat, g	12.9	2.9	Vitamin C, mg	54.1	12.2
MCT, g	10.8	2.4	Choline, mg	90.9	20.5
LCT, g	2.10	0.5	Inositol, mg	79.8	18.0
Linoleic acid, g	0.90	0.2	Minerals		
α-Linolenic acid, g	0.17	0.04	Calcium, mg	321	72.3
ARA, mg	60.0	13.5	Phosphorous, mg	193	43.5
DHA, mg	60.0	13.5	Magnesium, mg	39.6	8.9
Carbohydrate, g	69.1	15.6	Iron, mg	6.0	1.4
Vitamins			Zinc, mg	4.1	0.92
Vitamin A, IU (mcg R.E.)	974 (293)	219 (66.0)	Manganese, mg	0.32	0.07
Vitamin D ₃ , IU (mcg)	428 (10.7)	96.4 (2.4)	Copper, mcg	324	73.0
Vitamin E, IU (mg α.T.E.)	6.6 (4.4)	1.5 (0.99)	Iodine, mcg	72.3	16.3
Vitamin K, mcg	16.1	3.6	Molybdenum, mcg	18.8	4.2
Thiamin, mg	0.41	0.09	Chromium, mcg	9.5	2.1
Riboflavin, mg	0.44	0.10	Selenium, mcg	10.4	2.3
Vitamin B ₆ , mg	0.40	0.09	Sodium, mg	192	43.2
Vitamin B ₁₂ , mcg	0.60	0.14	Potassium, mg	372	83.8
Niacin, mg	2.7	0.61	Chloride, mg	284	64.0
Folic Acid, mcg	61.0	13.7			

Ingredients:

Maltodextrin, Skim Milk, Refined Vegetable Oil (Modified Palm Kernel And/Or Coconut Oil [Medium Chain Triglycerides]), Whey (Milk), Caseinate (Milk), Walnut Oil, Corn Syrup Solids, Sodium Citrate, Potassium Chloride, Calcium Carbonate, Magnesium Hydrogen Phosphate, Choline Chloride, M. Alpina Oil, C. Cohnii Oil, L-Valine, Inositol, L-Tryptophan, L-Ascorbic Acid, Sodium L-Ascorbate, Taurine, L-Isoleucine, Ferrous Sulfate, Zinc Sulfate, L-Carnitine, DL-Alpha Tocopheryl Acetate, Niacinamide, DL-Alpha Tocopherol, Calcium D-Pantothenate, Copper Sulfate, Manganese Sulfate, Pyridoxine Hydrochloride, Thiamin Chloride Hydrochloride, Vitamin A Acetate, Riboflavin, Folic Acid, Potassium Iodide, Chromium Chloride, Sodium Molybdate, Phylloquinone, D-Biotin, Sodium Selenite, Vitamin D₃.

Contains: Coconut Oil, Milk, Walnut Oil

Important Information:

- Intake is determined by a medical professional and is dependent on the age, body weight and medical condition of the patient.
- Not intended for use as the sole source of nutrition. Consider supplementation of essential fatty acids and micronutrients depending on individual's needs.
- Not for parenteral use.

Administration:

For oral or tube feeding:

1. Measure the required amount of warmed water into a container.
2. Add the prescribed amount of Monogen to the water. The scoop provided in the can measures 5.6 g (level and unpacked).
3. Cover and shake until the powder has dissolved.

The following are guidelines for achieving desired concentrations:

Concentration	Powder	Water	Final Volume
22 kcal/30 mL (0.73 kcal/mL)	16.8 g (3 Scoops)	90 mL (3 fl oz)	100 mL
30 kcal/30 mL (1.0 kcal/mL)	22.8 g (4 Scoops)	80 mL (2 1/2 fl oz)	100 mL

Unpacked, level scoops are approximations only. For accuracy, use a scale.

- Once prepared, the formula should be stored in a refrigerator and kept no longer than 24 hours from the time of preparation. Shake or stir Monogen immediately before use.

Storage:

Store in a cool, dry place. Once opened, use contents within one month. Replace lid firmly after use.



Liquigen®

A high energy medium-chain triglyceride (MCT) emulsion for conditions where MCTs are part of dietary management, such as long-chain fatty acid oxidation disorders or conditions managed by the ketogenic diet. A medical food.

Main Features:

- Simplifies addition of MCTs to the diet
- Emulsified for better mixing
- 50% MCT/ 50% water
- Unflavored
- High energy: 4.5 kcal/mL
- Osmolality: 10 mOsm/kg
- Density: 0.97 g/mL
- For oral or enteral use
- Can be used in beverages and foods

Indications:

- Conditions where MCTs are part of dietary management, such as:
 - Conditions managed by the ketogenic diet
 - Long-chain fatty acid oxidation disorders
 - Chylothorax
 - Fat malabsorption
 - Short bowel syndrome

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Bottle
71957 (Case)	49735-011957	B4155	3 x 4 x 250 mL (8.5 fl oz)	1125
71957-3 (Unit)	49735-019573	B4155	4 x 250 mL (8.5 fl oz)	1125

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 mL	Per 250 mL
Calories	450	1125
Protein Equivalent, g	None	None
Carbohydrate, g	None	None
Fat, g	50	125
Saturated, g	47.1	118
*MCT, g	45.4	114
*LCT, g	1.39	3.49
Minerals		
Calcium, mg	0.30	0.75
Sodium, mg	5.0	12.5
Potassium, mg	0.10	0.25
Chloride, mg	0.10	0.25

* Listed as fatty acids

Ingredients:

Refined Vegetable Oil (Medium Chain Triglycerides (Palm Kernel and/or Coconut Oil)), Water, Citric Acid Esters of Mono and Diglycerides (Emulsifier), Mono and Diglycerides (Emulsifier), Citric Acid.

Administration:

- The quantity of Liquigen should be determined by a healthcare professional only and is dependent on the age, bodyweight and medical condition of the patient. Liquigen may require dilution for children under 5 years of age.
- **Shake well before use.**

Precautions:

- Use under medical supervision.
- Not suitable for use as a sole source of nutrition.
- Not for parenteral use.

Storage:

- Recommended storage between 39°-77°F (4°-25°C).
- Once opened store in a refrigerator and use within 14 days.
- Always replace the bottle lid after use.



Duocal®

A powdered medical food providing fat and carbohydrate for increased caloric intake.

Main Features:

- Calorically dense – 1 scoop (5 g) provides 25 kcal
- Unique dual energy source of fat and carbohydrate
- Super soluble without altering the taste or texture of foods and beverages
- Milk protein-free
- Osmolality (1:3 dilution): 310 mOsm/kg
- 1 gram contributes approximately 0.93 mOsm when added to a solution
- PRSL of less than 0.017 mOsm/g
- Energy distribution:

Carbohydrate	59%
Fat (MCT 35% / LCT 65%)	41%
- Displacement 0.77 mL/g

Indications:

- Conditions where a high energy, low fluid, low electrolytes diet is indicated
- Protein restricted diets
- Disorders of protein and amino acid metabolism
- Malabsorptive states
- Modular diets
- Catabolic states (e.g. burns, trauma, post-operative stress)
- Suitable for oral and tube feedings

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can/Sachet
118262	49735-0182-62	B4155	6 x 400 g (14.1 oz)	1968

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g	Per 10 g sachet
Calories	492	49
Protein, g	None	None
Fat, g	22.3	2.2
Saturated, g	13.8	1.4
Monounsaturated, g	2.5	0.25
Polyunsaturated, g	4.8	0.48
Carbohydrate, g	72.7	7.3
Minerals		
Sodium, mg	≤ 20	≤ 2
Potassium, mg	≤ 5	≤ 0.5
Chloride, mg	≤ 20	≤ 2
Calcium, mg	≤ 5	≤ 0.5
Phosphorus, mg	≤ 5	≤ 0.5

Ingredients:

Hydrolyzed Cornstarch, Blend of Refined Vegetable Oils (Corn, Coconut), Medium Chain Triglycerides (Fractionated Coconut Oil, Palm Kernel Oil), Mono and Diglycerides, Diacetyl Tartaric Acid Esters of Monoglycerides.

Household Measures:

(all measures are unpacked)

Measure	Weight	Calories
1 Scoop	5 g	25
1 tsp	2.6 g	13
1 Tbsp	8.5 g	42
1/4 cup	30 g	148
1/2 cup	56 g	276
1 cup	117 g	576
1 sachet	10 g	49

Based on standard US dry, household measurements. All measurements are level and unpacked. Household measurements are approximations only. For accuracy use a gram scale.

Precautions:

- Not for parenteral use.
- Not suitable for use as a sole source of nutrition.

Administration:

- Intake to be determined by a medical professional and is dependent on the age, body weight and medical condition of the patient.

For oral or tube feeding:

1. Measure the prescribed amount of Duocal.
2. Add powder to the required volume of liquid and/or soft food and stir continuously until the powder has dissolved.
3. Unused foods mixed with Duocal should be refrigerated and used within 24 hours. Shake or stir immediately before serving.

Storage:

- Store unopened can at room temperature. Once opened, replace container lid and store in a cool, dry place (not in refrigerator) and use within one month.



Polycal™

A powdered, concentrated source of energy (maltodextrin). A medical food.

Main Features:

- Calorically dense – 1 scoop provides approximately 5 g (~20 kcal)
- Easily digestible maltodextrin
- Completely soluble in foods and drinks
- Neutral taste – does not alter the taste of foods and drinks
- Manufactured in a dairy-free environment
- Osmolality (10% solution): 104 mOsm/kg
- 1 gram contributes approximately 1.04 mOsm when added to a solution
- PRSL < 0.01 mOsm/10 g
- Displacement: 0.57 mL/g

Indications:

- Conditions where a high energy, low fluid or modular diet is indicated.
- For the dietary management of energy needs in patients with inborn errors of metabolism.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
89461	49735-0111-52	B4155	12 x 400 g (14.1 oz)	1536

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g
Calories	384
Carbohydrate, g	96.0
Protein, g	0
Fat, g	0
Minerals	
Sodium, mg	2.0
Potassium, mg	0

Ingredients:

Maltodextrin.

Household Measures:

(all measures are unpacked)

Measure	Weight	Calories
1 Scoop	5 g	~20 kcal
½ tsp	1.2 g	4.6 kcal
1 tsp	2.4 g	9.3 kcal
1 Tbsp	7.3 g	27.8 kcal
¼ cup	29.0 g	111 kcal
⅓ cup	38.7 g	148 kcal
½ cup	58.0 g	223 kcal
1 cup	116 g	445 kcal

Based on standard US dry, household measurements. All measurements are level and unpacked. Household measurements are approximations only. For accuracy use a gram scale.

Precautions:

- Not for parenteral use.
- Not suitable for use as a sole source of nutrition.

Administration:

Intake to be determined by a medical professional and is dependent on the age, body weight and medical condition of the patient.

- Beverages: Sprinkle the required amount of powder into the beverage and stir well.
- Foods: For best results, mix powder with sufficient liquid to form a smooth paste before stirring into hot or cold food.
- Unfinished beverages and foods should be stored in a refrigerator for up to 24 hours.

Storage:

Store unopened can in a cool, dry place. Once opened, replace container lid and store in a cool, dry place (not in refrigerator) and use contents within 1 month.



Complete Amino Acid Mix

An unflavored, powdered mixture of essential and non-essential amino acids. A medical food.

Main Features:

- Balanced mixture of essential and non-essential amino acids
- Supplements increased protein needs in enteral formulas
- Complete Amino Acid Mix provides 4 g of protein equivalent per 5 g of powder
- Osmolality (5% w/v): 360 mOsm/kg
- Approximate displacement: 0.75 mL/g

Indications:

- Conditions in which a nutritionally complete feed is not suitable or a modular approach is required
- Conditions where an oligoallergenic diet is indicated (e.g. individuals with intolerance to milk protein or other whole protein)
- Intractable malabsorption
- Feeding difficulties in post-operative conditions
- Chronic intestinal diseases (e.g. Crohn's disease)
- Short bowel syndrome following intestinal resection

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
553341	49735-0101-24	B4155	6 x 200 g (7 oz)	656

WIC⁺ eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g
Calories	328
Protein Equivalent, g	82
Fat, g	None
Carbohydrate, g	None
Amino Acids, g	
L-Alanine	3.5
L-Arginine	7.66
L-Aspartic Acid	6.39
L-Cystine	2.4
L-Glutamic Acid	8.17
Glycine	6.0
L-Histidine	4.38
L-Isoleucine	5.95
L-Leucine	10.22
L-Lysine	7.55
L-Methionine	1.65
L-Phenylalanine	4.5
L-Proline	7.0
L-Serine	4.29
L-Threonine	5.0
L-Tryptophan	2.0
L-Tyrosine	4.3
L-Valine	6.5
L-Glutamine	0.7

Ingredients:

L-Lysine L-Glutamate, L-Leucine, L-Arginine, L-Proline, L-Valine, L-Aspartic Acid, Glycine, L-Isoleucine, L-Threonine, L-Phenylalanine, L-Histidine, L-Serine, L-Tyrosine, L-Alanine, L-Cystine, L-Tryptophan, L-Methionine, L-Glutamine, L-Glutamic Acid.

Household Measures:

(all measures are unpacked)

Measure	Weight	Protein Equivalent
1/2 tsp	1.4 g	1.15
1 tsp	2.9 g	2.38
1/2 Tbsp	4.4 g	3.61
1 Tbsp	9.5 g	7.79

Based on standard US dry, household measurements. All measurements are level and unpacked. Household measurements are approximations only. For accuracy use a gram scale.

Precautions:

- Dosage should be determined by a doctor or dietitian and is dependent on the age, body weight and medical condition of the patient.
- Not for parenteral use.
- Not suitable for use as a sole source of nutrition.

Administration:

- The recommended feeding concentration is 5% w/v (e.g. 5 g powder to 100 mL of water).
- Complete Amino Acid Mix should be weighed on a scale that reads in grams.
- Best served as a chilled drink, mixed with water, fruit juices or other formulas. Complete Amino Acid Mix may also be added to soft, moist foods, such as applesauce.

Storage:

- Store in a cool, dry place. Once opened, use within one month. Always replace container lid after use.
- Once reconstituted, the prepared feed should be stored in a refrigerator and must not be kept longer than 24 hours from the time of preparation. Stir or shake immediately before serving.



Essential Amino Acid Mix

An unflavored, powdered mixture of essential amino acids, including cystine and histidine. A medical food.

Main Features:

- Balanced mixture of essential amino acids
- Essential Amino Acid Mix provides 4 g of protein equivalent per 5 g of powder
- Osmolality (5% w/v): 360 mOsm/kg
- Approximate displacement: 0.75 mL/g

Indications:

- Dietary management of urea cycle disorders
- Conditions in which a nutritionally complete feed is not suitable or a modular approach is required

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
553342	49735-0114-90	B4155	6 x 200 g (7 oz)	632

WIC[†] eligible in all States.

For more reimbursement information see page 213.

Nutrition Information:

Nutrients	Per 100 g
Calories	316
Protein Equivalent, g	79
Fat, g	None
Carbohydrate, g	None
Amino Acids, g	
L-Cystine	3.78
L-Histidine	3.78
L-Isoleucine	10.4
L-Leucine	16.17
L-Lysine	13.25
L-Methionine	3.78
L-Phenylalanine	5.67
L-Threonine	11.35
L-Tryptophan	2.36
L-Tyrosine	9.46
L-Valine	14.56

Ingredients:

L-Lysine Acetate, L-Leucine, L-Valine, L-Threonine, L-Isoleucine, L-Tyrosine, L-Phenylalanine, L-Histidine, L-Cystine, L-Methionine, L-Tryptophan.

Household Measures:

(all measures are unpacked)

Measure	Weight	Protein Equivalent
1/2 tsp	1.4 g	1.11
1 tsp	2.7 g	2.13
1/2 Tbsp	4.1 g	3.24
1 Tbsp	9.0 g	7.11

Based on standard US dry, household measurements. All measurements are level and unpacked. Household measurements are approximations only. For accuracy use a gram scale.

Precautions:

- Dosage should be determined by a doctor or dietitian and is dependent on the age, body weight and medical condition of the patient.
- Not for parenteral use.
- Not suitable for use as a sole source of nutrition.

Administration:

- The recommended feeding concentration is 5% w/v (e.g. 5 g powder to 100 mL of water).
- Essential Amino Acid Mix should be weighed on a scale that reads in grams.
- Best served as a chilled drink, mixed with water, fruit juices or other formulas. It may also be added to soft, moist foods, such as applesauce.

Storage:

- Store in a cool, dry place. Once opened, use within one month. Always replace container lid after use.
- Once reconstituted, the prepared feed should be stored in a refrigerator and must not be kept longer than 24 hours from the time of preparation. Stir or shake immediately before serving.



Phlexy-Vits

A concentrated, powdered vitamin, mineral and trace element preparation designed to help meet the micronutrient requirements of older children (11 years and older) and adults.

Main Features:

- One 7 g packet supplies the majority of vitamins and minerals needed to meet the DRI of individuals 11 years and older

Indications:

- Restrictive therapeutic diets

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Packet
10685	49735-0106-85	A9270	30 x 7 g	0.2

Nutrition Information:

Nutrients	Per 7 g packet
Calories	0.2
Protein, g	0.02
Fat, g	None
Carbohydrate, g	0.04
Vitamins	
Vitamin A, IU (mcg R.E.)	2664 (800)
Vitamin D, IU (mcg)	400 (10)
Vitamin E, IU (mg α T.E.)	13.5 (9)
Vitamin K, mcg	70
Thiamin, mg	1.2
Riboflavin, mg	1.4
Vitamin B ₆ , mg	1.6
Vitamin B ₁₂ , mcg	5
Niacin, mg	20
Folic Acid, mcg	700
Pantothenic Acid, mg	5
Biotin, mcg	150
Vitamin C, mg	50
Minerals	
Calcium, mg	1000
Phosphorus, mg	775
Magnesium, mg	300
Iron, mg	15.1
Zinc, mg	11.1
Manganese, mg	1.5
Copper, mcg	1505
Iodine, mcg	150
Molybdenum, mcg	70
Chromium, mcg	30
Selenium, mcg	75
Sodium, mg	8.8
Potassium, mg	<1.4
Chloride, mg	<0.35

Ingredients:

Calcium Phosphate Dibasic, Magnesium Acetate, Guar Gum, L-Ascorbic Acid, Ferrous Sulfate, Dextrose, Zinc Sulfate, Nicotinamide, DL-Alpha Tocopheryl Acetate, Copper Gluconate, Calcium D-Pantothenate, Manganese Sulfate, Pyridoxine Hydrochloride, Thiamin Mononitrate, Riboflavin, Vitamin A Acetate, Folic Acid, Potassium Iodide, Sodium Molybdate, Sodium Selenite, D-Biotin, Chromium Chloride, Phylloquinone, Vitamin D₃, Cyanocobalamin.

Household Measures:

(all measures are unpacked)

Measure	Weight
1/4 tsp	0.7 g
1/2 tsp	1.4 g
1 tsp	3 g
1 Tbsp	10 g

Based on standard US dry, household measurements. All measurements are level and unpacked. Household measurements are approximations only. For accuracy use a gram scale.

Precautions:

- Not for parenteral use.
- Not suitable for use as a sole source of nutrition.

Administration:

- Add a small amount of water and mix to a smooth paste. Add the remaining water to give a final volume of approximately 100 mL.
- Mix one sachet of Phlexy-Vits to a smooth paste with a small amount of lemonade or fruit juice (approx. 1.5 fl oz). Dilute to a final volume of 150 mL (5 fl oz). The amount of lemonade/juice and water used will vary according to taste.

Storage:

- Store in a cool, dry place. Once opened, a sachet should be stored in an airtight container and used within 2-3 days.



Single Amino Acids

Pure amino acid powder.

Main Features:

- Amino Acid medical foods for the dietary management of inborn errors of metabolism.
- **IMPORTANT:** For use under medical supervision. This product is nutritionally incomplete. Not for parenteral use.
- **WARNING:** Do not heat, bake or add to hot food or beverages above 130°F.
- **STORAGE:** Keep at controlled room temperature (68°-77°F). Protect from heat, humidity and light. After opening, cover with resealable lid and store in a cool dry place.
- **DIRECTIONS FOR USE:** Use as directed by physician or dietitian.

Suggested mixing dilution:

- A 10% solution can be made by mixing 1 g of amino acids into 100 mL of sterilized water. Every 1 mL of solution provides 10 mg of amino acids.

Note: This method will work for all amino acids that are water soluble. L-Tyrosine is not water soluble.

Ordering/Reimbursement Information:

Product	Product Code	Reimbursement Code	HCPCS Code	Package Description
L-THREONINE	0190T	49735-0101-90	B4155	1 - 50g bottle
L-METHIONINE	0180M	49735-0101-80	B4155	1 - 50g bottle
L-CITRULLINE	0200C	49735-0102-00	B4155	1 - 50g bottle
L-ARGININE	0120A	00847-0012-00	B4155	1 - 50g bottle
GLYCINE	0130G	00847-0013-00	B4155	1 - 50g bottle
L-ISOLEUCINE	0140I	00847-0014-00	B4155	1 - 50g bottle
L-LEUCINE	0150L	00847-0015-00	B4155	1 - 50g bottle
L-TYROSINE	0160T	00847-0016-00	B4155	1 - 50g bottle
L-VALINE	0170V	00847-0017-00	B4155	1 - 50g bottle



RESOURCES



Find more information and resources on these and all of our products at www.NutriciaLearningCenter.com

The following pages include pocket-sized versions of treatment flowcharts that are available free at www.NutriciaLearningCenter.com

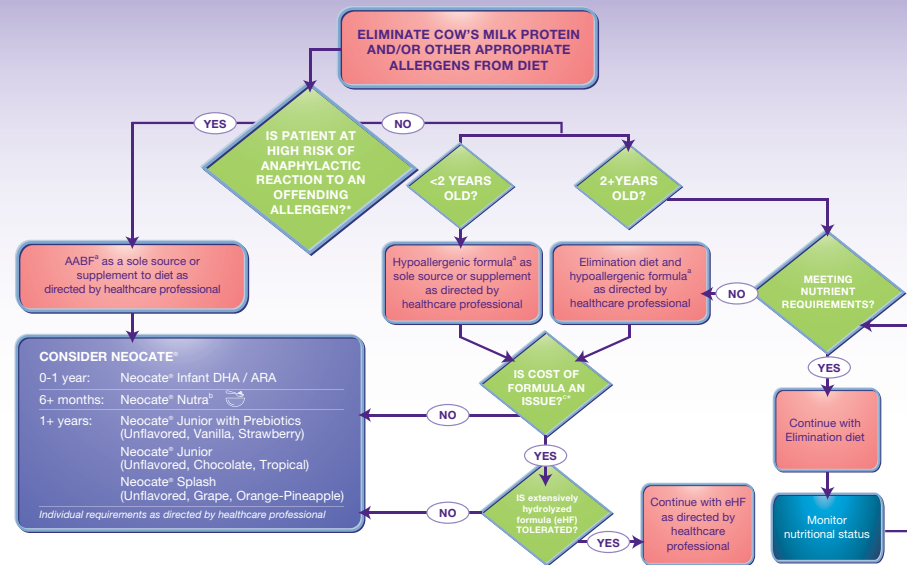
These five flow charts illustrate options for the nutrition management of conditions where specialized medical nutrition may be helpful. They are evidence-based tools that may be used as decision-making guides to help clinicians to determine the best way to nutritionally manage patients.

Please visit our website for free electronic copies of these and the other flow charts we offer.

Nutricia Learning Center is a unique education tool for clinicians managing patients with specialized nutritional requirements. This set of valuable resources and clinical tools includes:

- Recorded Webinars (CE eligible)
- Healthcare Professional Tools
- Patient Education Tools
- Reference Library
- Case Studies

Cow Milk Allergy / Multiple Food Allergies



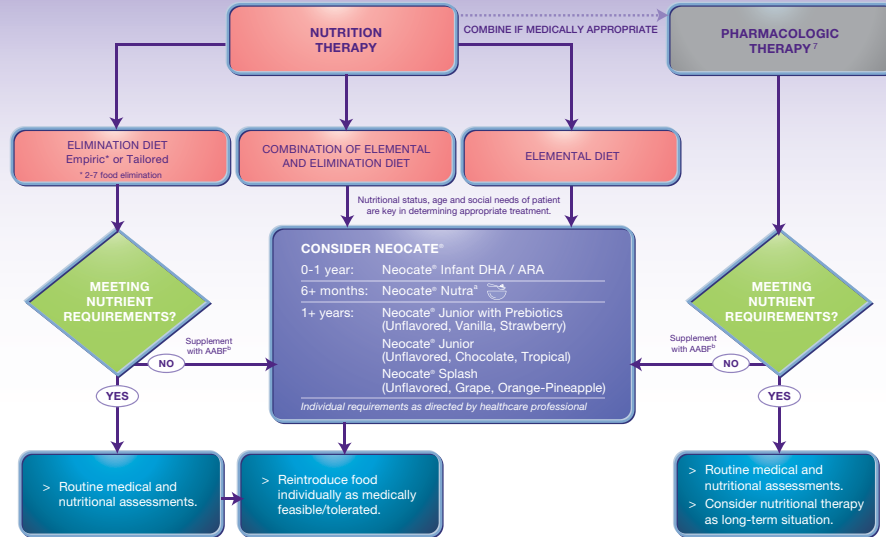
^a Hypoallergenic formula includes AABF (Amino Acid-Based Formula) and eHF (Extensively Hydrolyzed Formula)
^b Neocate Nutra is a supplemental semi-solid elemental food for 6+ months
^c In settings where the cost of an AABF is lower, the use of an AABF may be equally reasonable.
^d DRACMA Guidelines (Fiocchi et al, J Allergy Clin Immunol 2010)

Cow Milk Allergy / Multiple Food Allergies

References:

1. de Boissieu D, et al. Allergy to extensively hydrolyzed cow milk proteins in infants: identification and treatment with an amino acid-based formula. J Pediatr. 1997;131:744-7.
2. de Boissieu D, et al. Allergy to extensively hydrolyzed cow's milk proteins in infants: safety and duration of amino acid-based formula. J Pediatr. 2002;141:271-3.
3. de Boissieu D, et al. Time course of allergy to extensively hydrolyzed cow's milk proteins in infants. J Pediatr. 2000;136:119-20.
4. Fiocchi A, et al. Diagnosis and rationale for action against cow's milk allergy (DRACMA): a summary report. J Allergy Clin Immunol. 2010;1119-28.
5. Sampson HA, et al. Safety of an amino acid-derived infant formula in children allergic to cow milk. Pediatrics. 1992;90:463-5.
6. Vanderhoof JA, et al. Intolerance to protein hydrolyzed infant formulas: an under recognized cause of gastrointestinal symptoms in infants. J Pediatr. 1997;131:741-4.

Eosinophilic Esophagitis

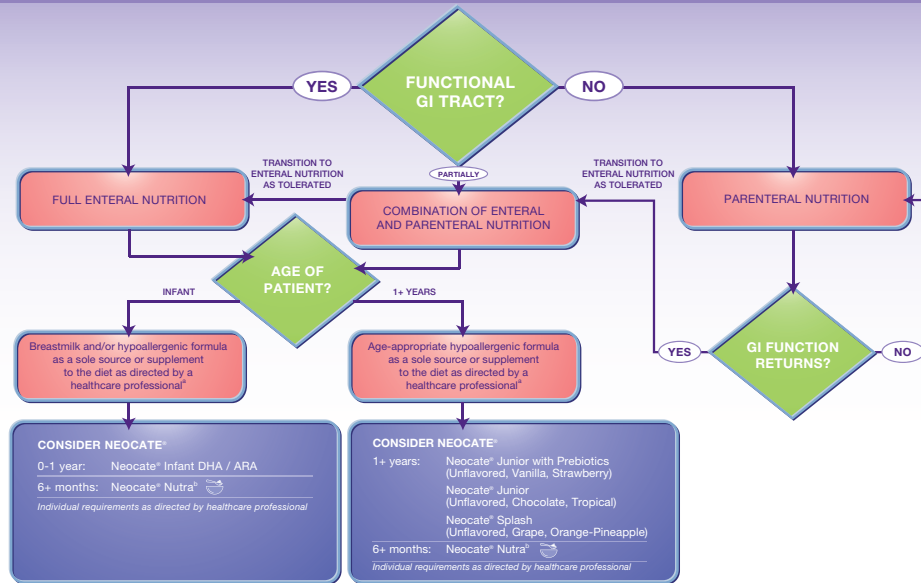


Eosinophilic Esophagitis

References:

1. American Dietetic Association. Eosinophilic Esophagitis. Pediatric Nutrition Care Manual®. <http://www.peds.nutritioncaremanual.org>. Accessed July 6, 2011.
2. Boyce JA, et al. Guidelines for the diagnosis and management of food allergy in the United States: report of the NIAID-sponsored expert panel. *J Allergy Clin Immunol*. 2010;S1-58.
3. Feuling MB and Noel RJ. Medical and nutritional management of eosinophilic esophagitis in children. *Nutr Clin Pract*. 2010;25:166-74.
4. Haas AM. Development, mealtime dynamics and nutrition: use of an amino acid-based semi-solid supplement in a child with eosinophilic esophagitis. *Nutr Clin Pract*. 2011;26:19.
5. Liacouras CA, et al. Eosinophilic esophagitis: updated consensus recommendations for children and adults. *J Allergy Clin Immunol*. 2011;128:3-20. Epub April 7, 2011.
6. Putnam PE. Evaluation of the child who has eosinophilic esophagitis. In: Furuta GT, Atkins D, Alam R, Eds. *Immunol Allergy Clin North Am*. Philadelphia, PA: Elsevier, 2009: 19-27.
7. Hait EJ, et al. Neocate® Nutra is as effective as sucralose as a delivery vehicle for oral viscous budesonide to treat eosinophilic esophagitis in children. *J Pediatr Gastroenterol Nutr*. 2013; 57 (S1): E4.

Short Bowel Syndrome



^a Hypoallergenic formula includes AABF (Amino Acid-Based Formula) and eHF (Extensively Hydrolyzed Formula)
^b Neocate Nutra is a supplemental semi-solid elemental food for 6+ months

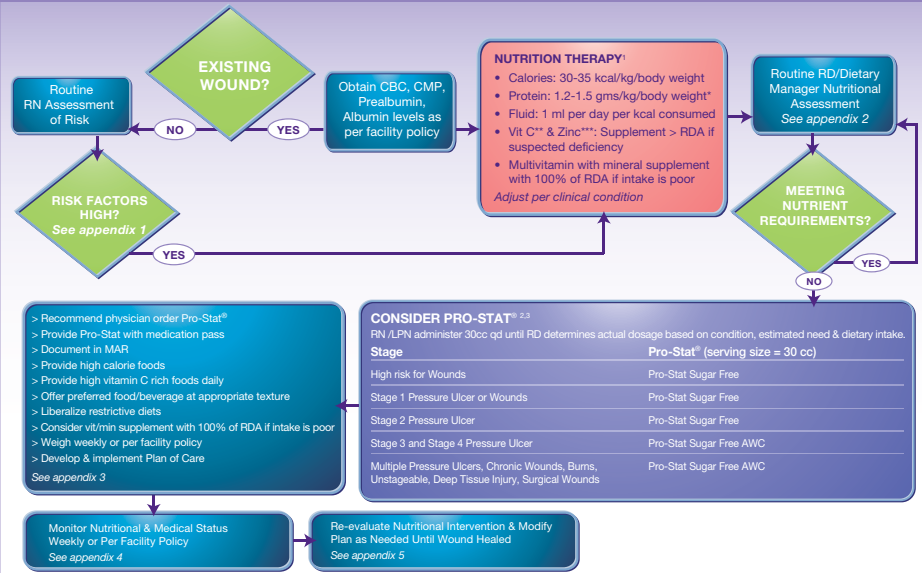
Short Bowel Syndrome

References:

1. Andorsky DJ, et al. Nutritional and other postoperative management of neonates with short bowel syndrome correlates with clinical outcomes. J Pediatr. 2001;139:27-33.
2. Becker PJ. Cow's milk allergy in a preterm infant: a case presentation. ICAN: Infant, Child, & Adolescent Nutrition. 2009;214-9.
3. Bines J, et al. Reducing parenteral requirement in children with short bowel syndrome: impact of an amino acid-based complete infant formula. J Pediatr Gastroenterol Nutr. 1998;26:123-8.
4. De Greef E, et al. The influence of Neocate in paediatric short bowel syndrome on PN weaning. J Nutr Metab. 2010; pii: 297575. Epub May 31, 2010.



Wounds



* Unless contraindicated ** RDA = 90 mg for males; 75 mg for females; upper limit = 2000 mg
*** RDA = 11 mg for males; 8 mg for females; upper limit = 40 mg

Wounds

Appendix 1: Risk Factors

1. Braden Scale < 16⁴
2. MNA-SF⁵ ≤ 11⁵
3. Unintended weight loss ≥ 5% in 30 days, ≥ 10% in 180 days
4. BMI (≤ 18.5 or ≥ 30)
5. Poor oral intake
6. Receiving enteral/parenteral nutrition
7. Immobility, decline in ADLs
8. Infections (UTI)
9. Diagnosis of under-nutrition/malnutrition/hydration deficits
10. Decline in ability to eat independently
11. Chewing/swallowing problem/dysphagia
12. Co-morbid conditions: end-stage renal disease, diabetes
13. Cognitive impairments
14. Skin exposure to urinary or fecal incontinence
15. History of PrUs
16. Albumin level is ≤ 2.8

Appendix 2: Nutritional Assessment

17. Review diagnosis/medical condition
18. Review skin condition per facility's wound assessment
19. Review of skin assessment screening tools
20. Current dietary intake
21. Amount & quality of protein provided
22. Body Mass Index
23. Determine deviation from current body weight
24. Determine nutritional needs

References:

1. EPUAP and NPUAP. Treatment of pressure ulcers: Quick Reference Guide, 2009.
2. Lee SK, et al. Adv Skin Wound Care. 2006;19:92-6.
3. Hays NP, et al. J Am Diet Assoc. 2009;109:1082-7.
4. Braden B. <http://www.bradenscale.com/images/bradenscale.pdf>. Accessed March 11, 2015.
5. Nestle Nutrition Institute. http://www.mna-elderly.com/forms/MNA_english.pdf. Accessed March 11, 2015.

25. Interview for food preferences & intolerances
26. Medications/medical treatments (antibiotics, steroids)
27. Average food/ fluid intake, medical food supplements (% consumed)
28. Chewing/swallowing status/ability to eat independently
29. Dehydration risk factors
30. Nutrition related laboratory values: ie HgbA1C, BUN, albumin, etc. Note: serum hepatic protein values are affected by infection, inflammation, hydration and renal function

Appendix 3: Protein Supplementation

31. Nutrition intervention will be communicated as appropriate to: Nursing, Dietary, Physician also involving resident & caregiver
32. Administer PO with med pass, pour amount ordered into med cup
33. Based on preference, it can be mixed with beverage or food of choice
34. If administered via tube-feeding: flush with 30-60cc water, dilute with 30-60cc water, & flush tube with additional 30-60cc
35. Pro-Stat[®] provides:
> **Sugar Free:** 15 g protein, 100 kcal/30 cc
> **Sugar Free AWC:** 17 g protein, 100 kcal/30 cc
36. Viscosity: Pro-Stat Sugar Free is nectar-like, Pro-Stat Sugar Free AWC is honey-like
37. Pro-Stat is Lactose-free, Soy-free, Gluten-free, and is Kosher
38. Monitor 2-4 weeks & modify as needed to meet nutritional goals

39. Store Pro-Stat at room temp
40. Label & date upon opening, discarding after 3 months

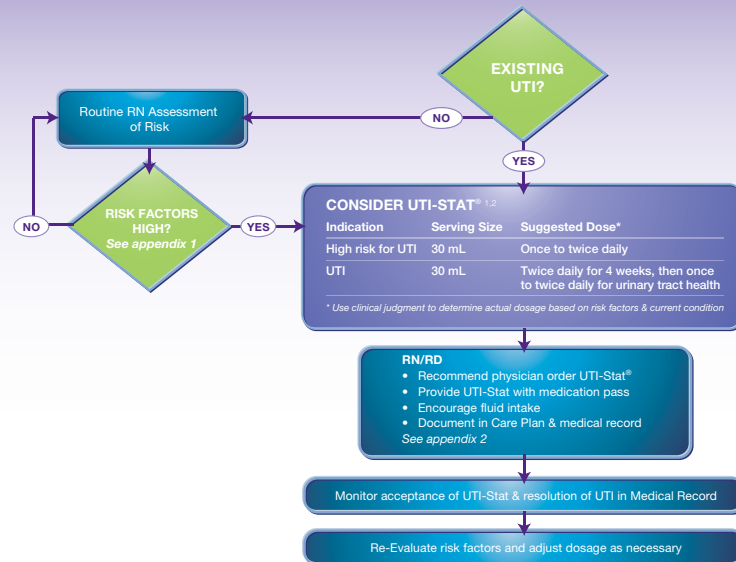
Appendix 4: Monitor Nutritional & Medical Status

41. Skin condition and/or wound status weekly or per policy
42. Acceptance & tolerance of supplement
43. Calorie, protein, fluid adequacy compared to estimated requirement
44. Ability to meet nutrient needs orally
45. Oral intake, if inadequate, consider enteral feeding consistent with individual's wishes
46. Weight status
47. Laboratory values, if available
48. Effectiveness of intervention in collaboration with interdisciplinary team & adjust, if condition changes, improves or declines
49. Consider validated tool such as PUSH to monitor progress for PrU healing

Appendix 5: Evaluate

50. Intact skin and/or progress toward healing
51. Improved and/or stable nutritional status
52. Intake meets estimated calorie, protein & fluid requirements
53. Document & re-assess per policy

Urinary Tract Infections (UTI)



Urinary Tract Infections (UTI)

Appendix 1: Risk Factors

1. Poor fluid intake less than 1000 mL/day
2. Catheterization
3. Two or more UTIs in the past 6 months
4. Incontinence
5. Urinary retention
6. Immobility
7. Orders for prophylactic antibiotics

Appendix 2: UTI-Stat® Administration

8. Assess current fluid intake/type of liquids (thin or thickened)
9. Assess allergy to cranberry products
10. Recommend the physician hold or discontinue current orders for cranberry tablets, cranberry juice, cranberry containing supplements, D-mannose, or vitamin C if taking for UTI
11. Recommend physician order UTI-Stat^{1,2}
12. Communicate administration as appropriate to: Nursing, Dietary, Physician, Resident, & Caregiver
13. Administer UTI-Stat PO with med pass, pour amount ordered into med cup
14. UTI-Stat can be consumed straight or mixed with any food or beverage
15. If administered via tube-feeding: flush tube with 30 mL water, measure appropriate dosage, administer into enteral tube, flush tube with additional 30 mL
16. UTI-Stat provides 70 calories & 1 g of sugar per 30 mL
17. Document intervention in care plan
18. Encourage increased consumption of fluids
19. Continue facility policies for UTI management (hygiene e.g.) (RN)
20. Monitor & document acceptance of UTI-Stat & response to the intervention in medical record (RN)

References:

1. Posthauer ME. The Director. 2008;16:13-6.
2. Efros M, et al. Urology. 2010;76:841-5.



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NUTRICIA
Specialized Adult
Nutrition

Reimbursement

WIC:

‡WIC is a registered service mark of the U.S. Department of Agriculture for USDA's Special Supplemental Nutrition Program for Women, Infants and Children.

WIC *eligible* means that a product has been approved at the Federal level and, therefore, may be included on a State agency's authorized food list if the State agency so chooses.

Each WIC State agency determines its own allowed formula list. Contact your State WIC office to determine the availability of a specific WIC eligible Nutricia product in your area – <http://www.fns.usda.gov/wic>.

Reimbursement Codes:

Reimbursement codes listed in this Guide have been submitted by Nutricia North America to US data warehouses based on the format established by the data warehouses. These codes are not NDC numbers.

Other Reimbursement Information:

For additional information on reimbursement of Nutricia North America's products in the United States, please contact us at (800) 365-7354 or visit our websites:



www.Nutricia-NA.com



www.Neocate.com

Resources

§ Dietary Reference Intakes (DRIs): Recommended Dietary Allowances and Adequate Intakes, Total Water, Macro- Nutrients, Vitamins and Elements

Food and Nutrition Board, Institute of Medicine,
National Academies (1997-2005)

* **Note:** The tables (taken from the DRI reports, see www.nap.edu) present Recommended Dietary Allowances (RDAs) in **bold type** and Adequate Intakes (AIs) in ordinary type followed by an asterisk (*). RDAs and AIs may both be used as goals for individual intake. RDAs are set to meet the needs of almost all (97 to 98 percent) individuals in a group. For healthy breastfed infants, the AI is the mean intake.

The AI for other life stage and gender groups is believed to cover needs of all individuals in the group, but lack of data or uncertainty in the data prevent being able to specify with confidence the percentage of individuals covered by this intake. Individual patient recommendations may vary.

^a Total Water includes all water contained in food, beverages, and drinking water

^b Based on g protein per kg body weight:

- 1.52 g/kg/day for infants 0-6 months
- 1.5 g/kg/day for infants 7-12 months
- 1.1 g/kg/day for 1-3
- 0.95 g/kg/day for 4-13 y
- 0.85 g/kg/day for 14-18 y
- 0.80 g/kg/day for adults
- 1.1 g/kg/day for pregnant (using pre-pregnancy weight) and lactating women

Macronutrients

Life Stage Group	Total Water ^a (L/d)	Carbohydrate (g/d)	Total Fiber (g/d)	Fat (g/d)	Linoleic Acid (g/d)	α -Linolenic Acid (g/d)	Protein (g/d)
Infants							
0-6 mo	0.7*	60*	ND	31*	4.4*	0.5*	9.1*
7-12 mo	0.8*	95*	ND	30*	4.6*	0.5*	11.0^a
Children							
1-3 y	1.3*	130	19*	ND	7*	0.7*	13
4-8 y	1.7*	130	25*	ND	10*	0.9*	19
Males							
9-13 y	2.4*	130	31*	ND	12*	1.2*	34
14-18 y	3.3*	130	38*	ND	16*	1.6*	52
19-30 y	3.7*	130	38*	ND	17*	1.6*	56
31-50 y	3.7*	130	38*	ND	17*	1.6*	56
51-70 y	3.7*	130	30*	ND	14*	1.6*	56
> 70 y	3.7*	130	30*	ND	14*	1.6*	56
Females							
9-13 y	2.1*	130	26*	ND	10*	1.0*	34
14-18 y	2.3*	130	26*	ND	11*	1.1*	46
19-30 y	2.7*	130	25*	ND	12*	1.1*	46
31-50 y	2.7*	130	25*	ND	12*	1.1*	46
51-70 y	2.7*	130	21*	ND	11*	1.1*	46
> 70 y	2.7*	130	21*	ND	11*	1.1*	46
Pregnancy							
14-18 y	3.0*	175	28*	ND	13*	1.4*	71
19-30 y	3.0*	175	28*	ND	13*	1.4*	71
31-50 y	3.0*	175	28*	ND	13*	1.4*	71
Lactation							
14-18 y	3.8*	210	29*	ND	13*	1.3*	71
19-30 y	3.8*	210	29*	ND	13*	1.3*	71
31-50 y	3.8*	210	29*	ND	13*	1.3*	71

Vitamins

Life Stage Group	Vitamin A (mcg/d)	Vitamin D (mcg/d)	Vitamin E (mg/d)	Vitamin K (mcg/d)	Thiamin (mg/d)	Riboflavin (mg/d)	Niacin (mg/d)	Vitamin B ₆ (mg/d)	Folate (mcg/d)	Vitamin B ₁₂ (mcg/d)	Pantothenic Acid (mg/d)	Biotin (mcg/d)	Choline (mg/d)	Vitamin C (mg/d)
Infants														
	(mg/d)													
0-6 mo	400*	10*	4*	2.0*	0.2*	0.3*	2*	0.1*	65*	0.4*	1.7*	5*	125*	40*
7-12 mo	500*	10*	5*	2.5*	0.3*	0.4*	4*	0.3*	80*	0.5*	1.8*	6*	150*	50*
Children														
1-3 y	300	15	6	30*	0.5	0.5	6	0.5	150	0.9	2*	8*	200*	15
4-8 y	400	15	7	55*	0.6	0.6	8	0.6	200	1.2	3*	12*	250*	25
Males														
9-13 y	600	15	11	60*	0.9	0.9	12	1.0	300	1.8	4*	20*	375*	45
14-18 y	900	15	15	75*	1.2	1.3	16	1.3	400	2.4	5*	25*	550*	75
19-30 y	900	15	15	120*	1.2	1.3	16	1.3	400	2.4	5*	30*	550*	90
31-50 y	900	15	15	120*	1.2	1.3	16	1.3	400	2.4	5*	30*	550*	90
51-70 y	900	15	15	120*	1.2	1.3	16	1.7	400	2.4	5*	30*	550*	90
> 70 y	900	20	15	120*	1.2	1.3	16	1.7	400	2.4	5*	30*	550*	90
Females														
9-13 y	600	15	11	60*	0.9	0.9	12	1.0	300	1.8	4*	20*	375*	45
14-18 y	700	15	15	75*	1.0	1.0	14	1.2	400	2.4	5*	25*	400*	65
19-30 y	700	15	15	90*	1.1	1.1	14	1.3	400	2.4	5*	30*	425*	75
31-50 y	700	15	15	90*	1.1	1.1	14	1.3	400	2.4	5*	30*	425*	75
51-70 y	700	15	15	90*	1.1	1.1	14	1.5	400	2.4	5*	30*	425*	75
> 70 y	700	20	15	90*	1.1	1.1	14	1.5	400	2.4	5*	30*	425*	75
Pregnancy														
14-18 y	750	15	15	75*	1.4	1.4	18	1.9	600	2.6	6*	30*	450*	80
19-30 y	770	15	15	90*	1.4	1.4	18	1.9	600	2.6	6*	30*	450*	85
31-50 y	770	15	15	90*	1.4	1.4	18	1.9	600	2.6	6*	30*	450*	85
Lactation														
14-18 y	1,200	15	19	75*	1.4	1.6	17	2.0	500	2.8	7*	35*	550*	115
19-30 y	1,300	15	19	90*	1.4	1.6	17	2.0	500	2.8	7*	35*	550*	120
31-50 y	1,300	15	19	90*	1.4	1.6	17	2.0	500	2.8	7*	35*	550*	120

Minerals

Life Stage Group	Calcium (mg/d)	Phosphorus (mg/d)	Magnesium (mg/d)	Fluoride (mg/d)	Selenium (mcg/d)	Chromium (mcg/d)	Copper (mcg/d)	Iodine (mcg/d)	Iron (mg/d)	Manganese (mg/d)	Molybdenum (mcg/d)	Zinc (mg/d)
Infants												
0-6 mo	200*	100*	30*	0.01*	15*	0.2*	200*	110*	0.27*	0.003*	2*	2*
7-12 mo	260*	275*	75*	0.5*	20*	5.5	220*	130*	11	0.6*	3*	3
Children												
1-3 y	700	460	80	0.7*	20	11*	340	90	7	1.2*	17	3
4-8 y	1,000	500	130	1*	30	15*	440	90	10	1.5*	22	5
Males												
9-13 y	1,300	1,250	240	2*	40	25*	700	120	8	1.9*	34	8
14-18 y	1,300	1,250	410	3*	55	35*	890	150	11	2.2*	43	11
19-30 y	1,000	700	400	4*	55	35*	900	150	8	2.3*	45	11
31-50 y	1,000	700	420	4*	55	35*	900	150	8	2.3*	45	11
51-70 y	1,000	700	420	4*	55	30*	900	150	8	2.3*	45	11
> 70 y	1,200	700	420	4*	55	30*	900	150	8	2.3*	45	11
Females												
9-13 y	1,300	1,250	240	2*	40	21*	700	120	8	1.6*	34	8
14-18 y	1,300	1,250	360	3*	55	24*	890	150	15	1.6*	43	9
19-30 y	1,000	700	310	3*	55	25*	900	150	18	1.8*	45	8
31-50 y	1,000	700	320	3*	55	25*	900	150	18	1.8*	45	8
51-70 y	1,200	700	320	3*	55	20*	900	150	8	1.8*	45	8
> 70 y	1,200	700	320	3*	55	20*	900	150	8	1.8*	45	8
Pregnancy												
14-18 y	1,300	1,250	400	3*	60	29*	1,000	220	27	2.0+*	50	12
19-30 y	1,000	700	350	3*	60	30*	1,000	220	27	2.0+*	50	11
31-50 y	1,000	700	360	3*	60	30*	1,000	220	27	2.0+*	50	11
Lactation												
14-18 y	1,300	1,250	360	3*	70	44*	1,300	290	10	2.6*	50	13
19-30 y	1,000	700	310	3*	70	45*	1,300	290	9	2.6*	50	12
31-50 y	1,000	700	320	3*	70	45*	1,300	290	9	2.6*	50	12

Acceptable Macronutrient Distribution Ranges

Macronutrient	Range (percent of energy)		
	Children, 1-3 y	Children, 4-18 y	Adults
Fat	30 - 40	25 - 35	20 - 35
n-6 polyunsaturated fatty acids* (linoleic acid)	5 - 10	5 - 10	5 - 10
n-3 polyunsaturated fatty acids* (α-linolenic acid)	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2
Carbohydrate	45 - 65	45 - 65	45 - 65
Protein	5 - 20	10 - 30	10 - 35

* Approximately 10% of the total can come from longer-chain n-3 or n-6 fatty acids.



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- A community hub and trusted, collective resource for healthcare providers managing patients with special nutritional needs.
- CE-eligible webinars by esteemed experts.
- Clinician resources, patient resources and case studies.



www.Neocate.com

- Provides valuable resources and support through a comprehensive program, Neocate Footsteps.
- Footsteps provides support at each step of a patient's journey when diagnosed with food allergies and/or related GI conditions. Through Footsteps patients and families will have access to:
 - Assistance to gain insurance coverage for Neocate.
 - Support in adjusting to new lifestyle at home through transition guides, allergy-friendly recipes, and informational videos.
 - Resources to adapt in social settings through helpful tips and support through social communities.
- And more!



www.MedicalFood.com and www.DietForLife.com

- Interactive, online resources for the metabolic community with news, recipes, and community forums.
- Feature online metabolic shops including convenient low protein foods, integral to low protein diets.



www.MyKetoCal.com

- Provides valuable resources and educational materials for clinicians and families.
- Locate a ketogenic diet center in North America by using the "Find a Ketogenic Center" tool.
- Helpful recipes and tools for families and dietitians using the ketogenic diet.



www.KetoConnect.com

- A support blog for caregivers of children on the ketogenic diet for epilepsy.
- Provides information, helpful tips, recipe ideas and more.



www.MyKetoPlanner.com

- A diet management tool, recipe-sharing database and social network specifically designed for the ketogenic diet community.
- Accessible via website or mobile application.



www.MyDuocal.com

- Frequently asked questions, recipes, and helpful tips on Duocal.
- Provides information about Failure-to-Thrive for clinicians and caregivers.



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