

COMPLEX MSD[®] ESSENTIAL

A valine-, leucine-, and isoleucine-free, powdered medical food containing a balanced mix of essential and non-essential amino acids, carbohydrates (including fiber), fat (including DHA and EPA), vitamins, minerals and trace elements.

Must be used under medical supervision



Indication: Maple Syrup
Urine Disease

Suitable for individuals over 1 year of age.

Nutrition Information:

Nutrients	Per 100 g of powder	Per 40 g of powder
Calories	372	149
Protein Equivalent, g	25.0	10.0
Fat, g	9.6	3.8
Saturated, g	4.1	1.6
Monounsaturated, g	3.6	1.4
Polyunsaturated, g	1.9	0.76
DHA, mg	160	64.0
EPA, mg	40.0	16.0
Carbohydrate, g	48.8	19.5
Fiber, g	3.9	1.5
Amino Acids, g		
L-Alanine	2.70	1.08
L-Arginine	1.28	0.51
L-Asparagine	1.45	0.58
L-Cystine	0.56	0.22
L-Glutamic Acid	0.86	0.35
L-Glutamine	7.17	2.87
Glycine	0.67	0.27
L-Histidine	1.79	0.71
L-Isoleucine	Nil Added	Nil Added
L-Leucine	Nil Added	Nil Added
L-Lysine	2.27	0.91
L-Methionine	0.74	0.30
L-Phenylalanine	2.20	0.88
L-Proline	1.48	0.59
L-Serine	1.12	0.45
L-Threonine	1.81	0.72
L-Tryptophan	1.33	0.53
L-Tyrosine	2.20	0.88
L-Valine	Nil Added	Nil Added
L-Carnitine	0.06	0.02
Taurine	0.14	0.06

Vitamins	Per 100 g of powder	Per 40 g of powder
Total Vitamin A, mcg RAE	510	204
Vitamin A (from Vitamin A Acetate), mcg RAE	383	153
Vitamin A (from Betacarotene), mcg RAE	128	51.0
Vitamin D ₃ , mcg	15.0	6.0
Vitamin E, mg α-TE	12.3	4.9
Vitamin K, mcg	50.0	20.0
Thiamine, mg	1.5	0.60
Riboflavin, mg	1.5	0.60
Vitamin B ₆ , mg	1.3	0.52
Vitamin B ₁₂ , mcg	2.0	0.80
Niacin, mg	12.0	4.8
Folic Acid, mcg	250	100
Pantothenic Acid, mg	5.5	2.2
Biotin, mcg	30.0	12.0
Vitamin C, mg	60.0	24.0
Choline, mg	100	40.0
Inositol, mg	40.0	16.0
Minerals		
Calcium, mg	814	326
Phosphorus, mg	864	346
Magnesium, mg	200	80.0
Iron, mg	13.0	5.2
Zinc, mg	12.0	4.8
Manganese, mg	1.5	0.60
Copper, mcg	1000	400
Iodine, mcg	120	48.0
Molybdenum, mcg	75.0	30.0
Chromium, mcg	40.0	16.0
Selenium, mcg	100	40.0
Sodium, mg	690	276
Potassium, mg	1301	520
Chloride, mg	860	344

Ordering/Reimbursement Information for Complex MSD® Essential:

Product Code	Reimbursement Code	HCPCS Code*	Product Packaging	Calories Per Can
NEW CODE! 201517 (Previously 120460) - Vanilla	49735-0101-75	B4157 or B4162	6 x 454 g (1 lb)	1689

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

Ingredients:

Corn Syrup Solids, Sugar, L-Glutamine, Medium Chain Triglycerides (Coconut and/or Palm Kernel Oil), L-Lysine Acetate, Natural and Artificial Flavors, L-Alanine, Calcium Phosphate, Potassium Citrate, High Oleic Sunflower Oil, L-Phenylalanine, L-Tyrosine, and contains 2% or less of the following: Fructooligosaccharides, Inulin, Corn Starch, Microcrystalline Cellulose, Gum Arabic, Soy Fiber, Sodium L-Ascorbate, L-Threonine, L-Histidine, L-Asparagine Monohydrate, Canola Oil, Sunflower Oil, Magnesium Phosphate, Sodium Chloride, L-Proline, Dipotassium Phosphate, L-Tryptophan, L-Arginine, L-Serine, L-Glutamic Acid, L-Methionine, Glycine, L-Cystine, *Schizochytrium* sp. Oil*, Citric Acid Esters of Mono- and Diglycerides, Modified Corn Starch, Choline Bitartrate, Sodium Citrate, Taurine, L-Ascorbic Acid, L-Carnitine, Ferrous Sulfate, Inositol, Vitamin E Acetate, Zinc Sulfate, Sunflower Lecithin, Niacinamide, Ascorbyl Palmitate, Copper Sulfate, Calcium D-Pantothenate, Vitamin D₃, Vitamin A Acetate, Vitamin K₁, Manganese Sulfate, Mono- and Diglycerides, D-Biotin, Beta-Carotene, Chromium Chloride, Sodium Selenite, Pyridoxine Hydrochloride, Riboflavin, Potassium Iodide, Thiamine Hydrochloride, Folic Acid, Sodium Molybdate, Vitamin B₁₂.

CONTAINS: SOY

*With docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA)

Directions for Use:



1. Simply add 40 g (approx. ¼ cup, level and unpacked) to approx. 7 fl oz (210 mL) of cold water. Dilution may be adjusted to personal taste. For greater accuracy, use a gram scale.
2. Cover with a tight-fitting lid and shake until fully blended.
3. Best served immediately.

Do not heat, bake or add to food or beverages above 130°F.

Storage:

Store unopened cans in a cool, dry place away from sunlight. Avoid extreme temperatures. Once a can is opened, reseal with lid provided and use within one month.

Important Notice:

Must only be used under medical supervision. For oral or tube feedings. Not for parenteral use. Not suitable as a sole source of nutrition. Only suitable for individuals over 1 year of age with proven maple syrup urine disease (MSUD).

