



KetoCal® 4:1 Powder

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

Main Features:

- Nutritionally complete
- 4:1 ratio
- DHA and ARA
- Vanilla flavor
- Appropriate for enteral or oral feedings
- Contains a multi-fiber blend
- Contains sucralose
- 0 g of *trans* fat
- Nutrient dense for children with low energy requirements
- Standard dilution = 1 kcal/mL
- Osmolality (at 1 kcal/mL): 170 mOsm/kg H₂O
- Energy distribution:

Protein	8.2%
Carbohydrate	3.5%
Fiber	1.5%
Fat (LCT 100%)	88.3%
- Displacement 1 mL/g

Indications:

- Refractory or intractable epilepsy
- Other epilepsy-related conditions where the ketogenic diet is indicated, including:
 - Glucose transporter type-1 deficiency syndrome (GLUT1)
 - Pyruvate dehydrogenase deficiency (PDH)
 - Dravet syndrome
 - Super Refractory Status Epilepticus (SRSE)

For details on administration, please see the end of this section.

Ordering/Reimbursement Information:

Product Code	Reimbursement Code	HCPCS Code	Product Packaging	Calories Per Can
101777	49735-0166-70	B4154, B4157, B4162	6 x 300 g (11 oz)	2115

WIC¹: Contact your state WIC office to determine availability.

For more reimbursement information see *Resources*.

Nutrition Information:

Nutrients	Per 100 g	Per 100 kcal*	Minerals	Per 100 g	Per 100 kcal*
Calories	705	100	Calcium, mg	700	99.3
Protein, g	14.4	2.0	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	0.99
Soluble, g	3.2	0.45	Zinc, mg	3.6	0.51
Insoluble, g	2.1	0.30	Manganese, mg	0.83	0.12
Fat, g	69.2	9.8	Copper, mcg	500	71.0
Saturated, g	26.7	3.8	Iodine, mcg	86.2	12.2
Monounsaturated, g	22.8	3.2	Molybdenum, mcg	28.7	4.1
Polyunsaturated, g	19.7	2.8	Chromium, mcg	14.8	2.1
Linoleic Acid, mg	16200	2300	Selenium, mcg	27.0	3.8
α-Linolenic Acid, mg	1700	241	Sodium, mg	481	68.2
DHA, mg	110	15.6	Potassium, mg	771	109
ARA, mg	120	17.0	Chloride, mg	726	103
Vitamins			L-Carnitine, mg	45.0	6.4
Vitamin A, IU (mcg RE)	1232 (370)	175 (52.5)	Taurine, mg	33.0	4.7
Vitamin D ₃ , IU (mcg)	420 (10.5)	59.6 (15)			
Vitamin E, IU (mg α-TE)	15.9 (10.7)	2.3 (15)			
Vitamin K, mcg	31.0	4.4			
Thiamin, mg	0.89	0.13			
Riboflavin, mg	0.70	0.10			
Vitamin B ₆ , mg	0.70	0.10			
Vitamin B ₁₂ , mcg	1.3	0.18			
Niacin, mg	4.9	0.70			
Folic Acid, mcg	116	16.5			
Pantothenic Acid, mg	2.9	0.41			
Biotin, mcg	19.1	2.7			
Vitamin C, mg	40.0	5.7			
Choline, mg	320	45.5			
Inositol, mg	19.1	2.7			

* Standard Dilution = 1 kcal/mL

Fiber is subtracted from total carbohydrate when 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 Chloride 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

Access our Clinician Resources, including DRI Calculator here:
<http://bit.ly/NutriciaHCPTools>