

# KETO CAL® 4:1 POWDER

A nutritionally complete, ketogenic powdered formula in a 4:1 ratio (fat: carbohydrate + protein).

Must be used under medical supervision



**Indications:** Drug-resistant epilepsy & other epilepsy-related conditions where the ketogenic diet is indicated, including:

- Glucose transporter type 1 deficiency syndrome (Glut1 DS)
- Pyruvate dehydrogenase deficiency (PDHD)
- Dravet syndrome
- Super refractory status epilepticus (SRSE)

Suitable for individuals over 1 year of age.

## Nutrition Information:

Nutrients	Per 100 mL	Per 100 kcal*
Calories	705	100
Protein, g	14.4	2.2
Carbohydrate, g	8.2	1.0
Fiber, g	5.3	0.75
Soluble, g	3.2	0.45
Insoluble, g	2.1	0.30
Fat, g	69.2	9.8
Saturated, g	26.7	3.8
Monounsaturated, g	22.8	3.2
Polyunsaturated, g	19.7	2.8
Linoleic Acid, mg	16200	2300
α-Linolenic Acid, mg	1700	241
DHA, mg	110	15.6
ARA, mg	120	17.0
<b>Vitamins</b>		
Vitamin A, IU (mcg RE)	1232 (370)	175 (52.5)
Vitamin D <sub>3</sub> , IU (mcg)	420 (10.5)	596 (1.5)
Vitamin E, IU (mg α-TE)	15.9 (10.7)	1.7 (1.1)
Vitamin K, mcg	31.0	4.4
Thiamin, mg	0.89	0.13
Riboflavin, mg	0.70	0.10
Vitamin B <sub>6</sub> , mg	0.70	0.10
Vitamin B <sub>12</sub> , 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

Minerals	Per 100 mL	Per 100 kcal*
Calcium, mg	700	99.3
Phosphorus, mg	420	59.6
Magnesium, mg	96.3	13.7
Iron, mg	7.0	0.99
Zinc, mg	3.6	0.51
Manganese, mg	0.83	0.12
Copper, mcg	500	71.0
Iodine, mcg	86.2	12.2
Molybdenum, mcg	28.7	4.1
Chromium, mcg	14.8	2.1
Selenium, mcg	27.0	3.8
Sodium, mg	481	68.2
Potassium, mg	771	109
Chloride, mg	726	103
L-Carnitine, mg	45.0	6.4
Taurine, mg	33.0	4.7

\*Standard Dilution = 1 kcal/mL

Fiber is subtracted from total carbohydrate when calculating the ketogenic ratio

## Ordering/Reimbursement Information for KetoCal® 4:1 Powder:

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

### 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<sup>§</sup>, 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

### Directions for Use:

**For oral or tube feeding:**

1. Measure the required amount of warm water into a sealable container. To completely dissolve the powder, the water must be at a temperature of 113°F-122°F. Recommended water temperature is necessary for best results. Measure the temperature using a thermometer.
2. Add the prescribed amount of KetoCal powder to the water.
3. Whisk or cover and shake vigorously until the powder has dissolved. Remove lid carefully.
4. Fresh formula is best. For larger volumes, once prepared, store formula in refrigerator for no more than 24 hours. Once feeding begins, use within one hour.
5. Shake or stir immediately before serving. For oral feeding, KetoCal is best served chilled.

Do not use boiling water to prepare formula. Do not boil or microwave prepared formula. Once prepared, settling may occur. Shake or stir immediately before serving. For tube feeding, flush tube with lukewarm water, ~99°F between each feed to avoid blockage.

### Storage:

Store unopened can in a cool, dry place, away from sunlight. Once opened, replace lid on can and use within one month.

### Important Notice:

Suitable as a sole source, or supplemental nutrition for individuals over 1 year of age. Intake to be determined by a healthcare professional and is dependent on age, weight, energy needs and medical condition.

