

KETOCAL 4:1

DESCRIPTION

A very high fat, low carbohydrate, nutritionally complete powder containing a blend of oils, milk proteins (casein and whey), supplemental amino acids, carbohydrate, vitamins, minerals, trace elements and fibre. Available in Unflavoured and Vanilla.

INDICATIONS

For the dietary management of drug resistant epilepsy and other conditions where the ketogenic diet is indicated, e.g. disorders of carbohydrate metabolism, such as Pyruvate Dehydrogenase Deficiency and Glucose Transporter type 1 Deficiency.

Can be used to administer the classical long-chain triglyceride (LCT) ketogenic diet (4:1). Suitable for use as a sole source of nutrition or supplementary feeding from 1-10 years of age. May be used for supplementary feeding over the age of 10 years.

ADMINISTRATION GUIDELINES

The dosage should be determined by a clinician or dietitian only and is dependent on the age, body weight and medical condition of the patient.

PREPARATION AND ADMINISTRATION

The recommended feed dilution is 14.2 % w/v (i.e. 14.2g of product and 86mL of water to give 100mL final volume). A more concentrated dilution may be medically prescribed based on medical requirements. To ensure that this high fat feed is tolerated when first introducing a ketogenic diet, a less concentrated feed or lower feed volume may need to be provided initially. Care should be taken to ensure adequate free fluids are still provided. It is recommended to prepare KetoCal with hot water (45-50°C) to ensure the powder completely dissolves.

To prepare oral or tube feed:

1. Measure the required amount of warm water into a container that seals with a screw top lid. The powder must be made up with hot water (45-50°C) to fully dissolve measure the temperature using a thermometer.
2. Weigh out the required amount of powder.
3. Add the weighed powder to the water. Replace the cap on the container and shake until the powder dissolves.

For oral feeding, KetoCal is best served chilled.

For tube feeding, it is recommended that the feeding tube is flushed with warm water (approximately 37°C) between each feed. Keep prepared KetoCal in the refrigerator and use within 24 hours.

GENERAL PRECAUTIONS

Use under medical supervision. Not suitable for use in infants under 1 year of age.

STORAGE

Store in a cool, dry place. Always replace the container lid after use. Once opened, use within one month.

PACK SIZE

300g tin.

INGREDIENTS

Vegetable oils (Palm oil, Soybean oil, Sunflower oil), Cow's Milk Proteins (Casein, Whey), Soy lecithin, Cellulose, Inulin, Glucose syrup, Calcium carbonate, Potassium chloride, Oligofructose, Gum Arabic, Tricalcium phosphate, Anticaking agent, Silicon dioxide, Resistant starch, Sodium chloride, Potassium citrate, Magnesium acetate, Choline bitartrate, L-Arginine, Maltodextrin, L-Cystine, Oil from *Mortierella alpina*, Oil from *Cryptocodium cohni*, Soy fibre, L-Tryptophan, Sodium caseinate (from cow's milk), Sodium L-ascorbate, L-Phenylalanine, L-Carnitine, L-Ascorbic acid, Taurine, Ferrous sulphate, L-Valine, Inositol, L-Tyrosine, Emulsifier (Mono- and diglycerides of fatty acids), Zinc sulphate, DL-alpha tocopheryl acetate, Nicotinamide, Calcium D-pantothenate, Copper sulphate, Pyridoxine hydrochloride, Manganese sulphate, Thiamin hydrochloride, Riboflavin, Retinyl acetate, Antioxidants (Ascorbyl palmitate, Mixed tocopherols), Pteroylmonoglutamic acid, Potassium iodide, Chromium chloride, Sodium selenite, Sodium molybdate, D-Biotin, Cholecalciferol, Cyanocobalamin.

Ingredients shown are for Unflavoured.



KETOCAL 4:1

AVERAGE CONTENTS	UNIT	PER 100G	PER 100ML*
Energy	kcal	704	100
	kJ	2906	413
Protein	g	14.3	2.0
Carbohydrate	g	2.8	0.40
sugars	g	0.68	0.10
lactose	g	0.17	0.024
Fat	g	69.2	9.8
saturates (includes trans fat)	g	26.1	3.7
monounsaturates	g	22.7	3.2
polyunsaturates	g	20.4	2.9
DHA	mg	110	15.6
AA	mg	120	17
n-6 / n-3 ratio		10.7:1	
Dietary fibre	g	5.4	0.77
Minerals			
sodium	mg (mmol)	529 (23)	75.2 (3.27)
potassium	mg (mmol)	855 (21.9)	121 (3.11)
chloride	mg	800	114
calcium	mg	780	111
phosphorus	mg	462	65.6
magnesium	mg	107	15.2
iron	mg	8	1.14
zinc	mg	4.4	0.62
copper	µg	550	78
manganese	µg	440	62
molybdenum	µg	31.7	4.5
selenium	µg	30	4.26
chromium	µg	15.7	2.23
iodine	µg	86.2	12.2
Vitamins			
vitamin A	µg RE	320	45.4
vitamin D	µg	10.5	1.49
vitamin E	mg α-TE	11.7	1.66
vitamin K	µg	51.4	7.30
thiamin B ₁	mg	0.7	0.1
riboflavin B ₂	mg	0.87	0.12
niacin	mg (mg NE)	4.9 (10.6)	0.70 (1.51)
pantothenic acid	mg	2.9	0.41
vitamin B ₆	mg	0.87	0.12
folic acid	µg	116	16.5
vitamin B ₁₂	µg	1.3	0.18
biotin	µg	19.1	2.71
vitamin C	mg	60	8.52
Others			
choline	mg	324	46
inositol	mg	22.1	3.14
taurine	mg	33	4.69
Water			
osmolality	mOsm/kg H ₂ O	-	170

Note: Nutritional information for all flavours is in black font.

* Made up to standard dilution (14.2% w/v).

A food for special medical purposes; must be used under strict medical supervision.

For more information contact the Nutricia Care Line:
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