

# KETOCAL 4:1

## DESCRIPTION

A very high fat, low carbohydrate, nutritionally complete powdered feed. A 4:1 ratio of fat to carbohydrate and protein, with added long chain polyunsaturated fatty acids (LCPs), Docosahexaenoic acid (DHA) and Arachidonic Acid (AA) 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). Can be used to provide complete nutritional support 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 standard dilution is 14.2% w/v i.e. 14.2g powder and 86ml of water to give a final volume of 100ml. It is recommended to prepare KetoCal with hot water (45-50°C) to ensure the powder completely 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 for parenteral use. 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

Refined Vegetable Oils (Palm, **Soy**, Sunflower), **Milk** Protein (Casein, Whey), **Soy** Lecithin, Dietary Fibres (Cellulose, Inulin, Oligofructose, Arabic Gum, Resistant Starch, **Soy** Polysaccharides), Calcium Carbonate, Dried Glucose Syrup, Anti-caking Agent (E551), Calcium Phosphate Tribasic, Tripotassium Citrate, Potassium Chloride, Sodium Chloride, Magnesium Acetate, L-Arginine, L-Cystine, Choline Bitartrate, High Arachidonic Acid Single Cell Vegetable Oil, High Docosahexaenoic Acid Single Cell Vegetable Oil, L-Tryptophan, Maltodextrin, Sodium Caseinate (from cow's **milk**), Sodium Ascorbate, L-Phenylalanine, L-Ascorbic Acid, L-Valine, L-Tyrosine, L-Carnitine, Taurine, Ferrous Sulphate, Emulsifier (E471), DL-alpha Tocopheryl Acetate, M-Inositol, L-Histidine, Zinc Sulphate, Nicotinamide, Calcium D-Pantothenate, Manganese Sulphate, Copper Sulphate, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin A Acetate, Antioxidants (E304, E306), Folic Acid, Potassium Iodide, Sodium Molybdate, Chromium Chloride, Sodium Selenite, Vitamin K<sub>1</sub>, D-Biotin, Vitamin D<sub>3</sub>, Cyanocobalamin.

*Ingredients shown are for Unflavoured.*



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AVERAGE CONTENTS	UNIT	PER 100G	PER 100ML*
<b>Energy</b>	kcal	703	100
	kJ	2897	411
<b>Protein</b>	g	14.4	2.0
<b>Carbohydrate</b>	g	2.9	0.41
sugars	g	1.0	0.14
lactose	g	0.25(0.38)	0.04(0.05)
<b>Fat</b>	g	69.2	9.8
saturates (includes trans fat)	g	26.7	3.8
trans fat	g	<0.05	<0.05
monounsaturates	g	22.8	3.2
polyunsaturates	g	19.7	2.8
DHA	mg	110	15.6
AA	mg	120	17
w6 / w3 ratio		9.3:1	
<b>Dietary fibre</b>	g	5.3	0.75
<b>Minerals</b>			
sodium	mg (mmol)	529 (23)	75.2 (3.3)
potassium	mg (mmol)	848 (21.7)	120 (3.1)
chloride	mg	799	113
calcium	mg	770	109
phosphorus	mg	462	65.7
magnesium	mg	107	15.2
iron	mg	8	1.1
zinc	mg	4	0.57
copper	µg	550	80
manganese	mg	0.91	0.13
fluoride	µg	3.7	0.53
molybdenum	µg	31.7	4.5
selenium	µg	30	4.3
chromium	µg	16.3	2.3
iodine	µg	86.2	12.2
<b>Vitamins</b>			
vitamin A	µg RE	370	52.6
vitamin D	µg	10.5	1.5
vitamin E	mg α-TE	10.7	1.5
vitamin K	µg	31	4.4
thiamin	mg	0.7	0.1
riboflavin	mg	0.7	0.1
niacin	mg (mg NE)	4.9 (10.6)	0.69 (1.5)
pantothenic acid	mg	2.9	0.41
vitamin B <sub>6</sub>	mg	0.7	0.1
folic acid	µg	116	16.5
vitamin B <sub>12</sub>	µg	1.3	0.18
biotin	µg	19.1	2.7
vitamin C	mg	40	5.7
<b>Others</b>			
choline	mg	320	45.5
myo-inositol	mg	19.1	2.7
<b>Water</b>			
osmolality	mOsm/kg H <sub>2</sub> O	-	170

Note: Nutritional information for all flavours is in black font, but where different, Unflavoured is in blue font.

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

NC374-May19 / NUT945  
 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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