

ZeroLeu smart K

In Short

- ZeroLeu smart K is a Food for Special Medical Purposes (FSMP) for use in the dietary management of disorders in Leucine metabolism, e. g. Isovaleric Acidemia
- highly concentrated powdered protein supplement free of Leucine (Leu)
- low in calories: small amount of carbohydrate – no fat
- flexible in preparation, different concentrations possible
- light and neutral in taste
- highly purified L-amino acids
- micronutrients in balanced, age-based amounts
- in 500 g tin

Product Profile

ZeroLeu smart K is a highly concentrated powdered mixture of highly purified L-amino acids free of Leucine (Leu).

ZeroLeu smart K contains a small amount of carbohydrate and thus a small amount of calories.

There are different options for preparation. They facilitate the intake and improve compliance.

ZeroLeu smart K is light and neutral in taste.

ZeroLeu smart K is supplemented with vitamins, minerals and trace elements in balanced amounts.

Administration

ZeroLeu smart K should always be taken along with calculated quantities of foods.

Preparation

ZeroLeu smart K is flexible in preparation. See box "Preparation".

Tip: ZeroLeu smart K taken in apple juice tastes especially delicious! But may also be prepared with other juices or soft drinks. Consider the protein content! Be careful when mixing with carbonated drinks in a shaker.

Notice: We recommend to drink a glass of water or other beverage directly after taking ZeroLeu smart K in one of the concentrations XS, S or M.

Always prepare freshly!

Function ZeroLeu smart K substitutes that part of the protein in the diet which may not be taken up from natural food sources.

Dosage The daily total amount of amino acid mixture depends on age, body weight and individual medical condition/protein tolerance and should be re-examined and adjusted in accordance with the results of regular monitoring.

The daily dosage of amino acid mixture should at best be divided into 3 – 5 single portions.

ZeroLeu smart K can be combined with ZeroLeu minis.

The diet must be supplemented with energy, natural protein and other nutrients in prescribed quantities.

Important Notice Must only be used under medical supervision. Not for use as a sole source of nutrition. For enteral use only. Only for people with proven disorders in Leucine metabolism, e.g. Isovaleric Acidemia. Not suitable for infants.

Amino acids

ZeroLeu smart K	100 g	8 g
L-Alanine	g 3,6	0,29
L-Arginine	g 3,6	0,29
L-Aspartic acid	g 8,9	0,71
L-Cystine	g 1,8	0,14
L-Glutamine	g 8,9	0,71
Glycine	g 6,6	0,53
L-Histidine	g 2,7	0,22
L-Isoleucine	g 4,3	0,34
L-Leucine	g –	–
L-Lysine	g 4,9	0,39
L-Methionine	g 1,3	0,10
L-Phenylalanine	g 3,1	0,25
L-Proline	g 5,5	0,44
L-Serine	g 4,2	0,34
L-Threonine	g 4,7	0,38
L-Tryptophan	g 1,5	0,12
L-Tyrosine	g 3,2	0,26
L-Valine	g 4,9	0,39

Preparation

	Size	Product	Amount	Water
✓ Gel	XS > stir – eat with a spoon	ZeroLeu smart K	8 g	+ 10 ml
✓ Drink	S > stir – eat with a spoon or drink	ZeroLeu smart K	8 g	+ 15 ml
✓ Shake	M > shake – ready to drink	ZeroLeu smart K	8 g	+ 25 ml
✓ Shake	L or XL > shake – ready to drink	ZeroLeu smart K	8 g	+ 40 ml or more

NUTRITION INFORMATION

ZeroLeu smart K

100 g

8 g

Energy		kJ	1277	102
		kcal	300	24
Fat	g	<0,2	<0,1	
of which saturates	g	<0,02	<0,01	
Carbohydrate	g	12	1	
of which sugars	g	9	0,7	
Protein eqv.	g	62	5	
Amino acids	g	74	6	
Salt	g	0	0	

Vitamins

g protein

Vitamine A	µg	862	69	14
Vitamine D3	µg	31	2,5	0,5
Vitamine E	mg	22	1,7	0,35
Vitamine K1	µg	79	6	1,3
Vitamine C	mg	80	6	1,3
Thiamine (Vit. B1)	mg	2	0,17	0,035
Riboflavin (Vit. B2)	mg	2,5	0,2	0,04
Niacin	mg	26	2	0,4
Vitamine B6	mg	1,5	0,12	0,025
Folic acid	µg	154	12	2,5
Vitamine B12	µg	6	0,5	0,1
Biotine	µg	31	2,5	0,5
Pantothenic acid	mg	6	0,5	0,1

Minerals

Calcium	mg	1928	154	31
Phosphorus	mg	819	66	13
Magnesium	mg	379	30	6

Trace Elements

Iron	mg	27	2	0,4
Zinc	mg	22	1,8	0,36
Copper	mg	2,5	0,2	0,04
Manganese	mg	6	0,5	0,1
Fluoride	mg	1	0,07	0,015
Selenium	µg	74	6	1,2
Chromium	µg	62	5	1
Molybdenum	µg	136	11	2
Iodine	µg	308	25	5

FURTHER NUTRITION INFORMATION

L-Carnitine	mg	55	4	0,9
Choline	mg	154	12	2,5
myo-Inositol	mg	290	23	5
Taurine	mg	62	5	1

INGREDIENTS

L-lysine-L-aspartate, sugar, L-glutamine, glycine, L-arginine-L-aspartate, L-proline, L-valine, L-threonine, L-isoleucine, L-serine, calcium phosphate, L-alanine, magnesium-L-aspartate, L-tyrosine, L-phenylalanine, calcium gluconate, L-histidine, thickener: distarch phosphate, stabilizer: guar gum, acid: citric acid, L-tryptophan, L-cystine, N-acetyl-L-methionine, choline, emulsifier: sunflower lecithin, ferrous sulphate, manganese sulphate, inositol, taurine, vitamin C, niacin, cupric sulphate, vitamin E, sweetener: sucralose, zinc sulphate, L-carnitine, sodium fluoride, chromium (III) chloride, potassium iodide, vitamin B1, pantothenic acid, sodium molybdate, vitamin A, vitamin B6, vitamin B2, vitamin K, biotin, sodium selenite, folic acid, vitamin D, vitamin B12.

Delivery Unit	tin 1 x 500 g	tin 2 x 500 g = 1000 g
Article number <i>neutral</i>	xx-001-30337	xx-001-30338
Delivery to	Pharmacies, clinics	
Storage	Store in a cool, dry place.	