

MSUD



comida-MSUD

A Medical Food for the dietary management of Maple Syrup Urine Disease (MSUD) in individuals over the age of 1 year.

- ✓ Low volume – 68.6 g protein in 100 g powder
 - ✓ Isoleucine, leucine and valine free
 - ✓ Supplemented with vitamins, minerals, trace elements
 - ✓ Sucrose free
 - ✓ Simple, easy and affordable to use
-

Description:

comida-MSUD is a concentrated amino acid mixture free from isoleucine, leucine and valine. The amino acid profile provides a high quality protein (except for the amino acids mentioned), ensuring optimal nutritional quality. comida-MSUD is supplemented with vitamins, minerals and trace elements.

Indication:

For the dietary management of MSUD in individuals over the age of 1 year.

Dosage and Use:

The daily amount of comida-MSUD needed to meet daily protein requirements (other than isoleucine, leucine and valine), depends on age, body weight and medical condition of the individual. The daily amount of comida-MSUD is to be determined by a physician or dietitian specialized in metabolic disorders. Individual requirements of comida-MSUD will need to be adjusted regularly to meet growth and nutrient needs.

The daily amount required should be divided into 3 to 5 single portions and should be taken mixed with calculated amounts of other food.

Diets with comida-MSUD must contain adequate amounts of energy, essential fatty acids and isoleucine, leucine and valine to meet daily requirements.

Warning:

- must be used under medical supervision
- for individuals with MSUD only
- not suitable as a sole source of nutrition
- not suitable for parenteral use

MSUD



comida-MSUD

Ingredients

Maltodextrin, L-Lysine-L-Glutamate, L-Proline, L-Glutamate, L-Arginine-L-Aspartate, Potassium-L-Glutamate, L-Serine, L-Lysine-L-Aspartate, L-Threonine, L-Alanine, L-Phenylalanine, Tri-Calcium Phosphate, L-Tyrosine, Magnesium-L-Aspartate, L-Cystine, L-Histidine, Di-Calcium Phosphate, Choline Bitartrate, L-Tryptophan, Glycine, L-Methionine, Sodium Chloride, Magnesium Hydroxide Carbonate, Inositol, L-Carnitine-L-Tartrate, Vitamin C, Taurine, Vanillin, Ferrous Sulfate, Zinc Sulfate, DL-Alpha-Tocopheryl Acetate, Niacinamide, Calcium-D-Pantothenate, Manganese Sulfate, Copper Sulfate, Riboflavin, Thiamin Mononitrate, Pyridoxine Hydrochloride, Vitamin A Acetate, Sodium Fluoride, Sodium Molybdate, Potassium Iodide, Chromium-III-Chloride, Folic Acid, Sodium Selenite, Vitamin K, Biotin, Vitamin D₃, Vitamin B₁₂.

Composition

Nutrition Information		per 100 g
Energy	kJ	1238
	kcal	291
Protein equivalent *	g	62.1
Carbohydrates	g	10.7
of which maltodextrin	g	10.7
Fat	g	0
Amino acids	g	74.5
L-Alanine	g	4.1
L-Arginine	g	3.7
L-Aspartic acid	g	7.1
L-Cystine	g	2.3
L-Glutamic acid	g	9.1
L-Glutamine	g	8.1
Glycine	g	1.7
L-Histidine	g	2.3
L-Isoleucine	g	0
L-Leucine	g	0
L-Lysine	g	6.9
L-Methionine	g	1.7
L-Phenylalanine	g	4.0
L-Proline	g	8.5
L-Serine	g	5.1
L-Threonine	g	4.6
L-Tryptophan	g	1.8
L-Tyrosine	g	3.7
L-Valine	g	0
Taurine	mg	155
L-Carnitine	mg	155
* Conversion: 1 g protein = 1.2 g amino acids		

Minerals		per 100 g
Sodium	mg	556
Potassium	mg	1 255
Chloride	mg	858
Calcium	mg	2063
Phosphorus	mg	121 7
Magnesium	mg	302
Iron	mg	28
Trace elements		
Zinc	mg	18.6
Copper	mg	2.2
Iodine	µg	311
Chromium	µg	62
Fluoride	mg	373
Manganese	mg	4.4
Molybdenum	µg	1 68
Selenium	µg	75
Vitamins		
Vitamin A	mg	1.2
Vitamin D	µg	18.6
Vitamin E	mg	21.7
Vitamin K	µg	68
Vitamin C	mg	168
Vitamin B1	mg	2.1
Vitamin B2	mg	2.8
Niacin	mg	28
Vitamin B6	mg	1.9
Folic acid	µg	311
Pantothenic acid	mg	1 6.5
Vitamin B12	µg	3.7
Biotin	µg	62
Choline	mg	807
Inositol	mg	280