

comida
MSUD **A** FORMULA

For the Dietary Management of disorders in branched chain amino acid metabolism in **INFANTS IN THE FIRST YEAR OF LIFE**

- Leucine, isoleucine and valine free amino acid mixture
- Contains lactose and LCP, free from sucrose
- Provides vitamins, minerals and trace elements
- Easy to prepare

DESCRIPTION

comida-MSUD A formula with LCP is an isoleucine, leucine and valine free formula for the dietary management of disorders in branched chain amino acid metabolism in infancy. It contains carbohydrates and a special fat blend containing long chain polyunsaturated fatty acids (LCP). comida-MSUD A formula is supplemented with vitamins, minerals and trace elements.

INDICATIONS

For the dietary treatment in infants with disorders in metabolism of branched chain amino acids, such as Maple Syrup Urine Disease (MSUD).

RECOMMENDED USE

The daily amount of comida-MSUD A formula needed depends on age, body weight and individual metabolic condition. The dose of comida-MSUD A formula is to be monitored and adjusted by the physician regularly. The daily amount required should be divided into 3 to 5 single portions and should be taken mixed also with food or beverages allowed in calculated amounts.



Preparation table:

Drinking volume	Water	comida-MSUD A formula		Protein content
		g	= No. of scoops*	
ml	ml	g	= No. of scoops*	= g Protein equivalent
35	30	4,3	1	0,51
100	90	13	3	1,5
200	180	26	6	3,1

* 1 scoop = approx. 4,3 g comida-MSUD A formula

IMPORTANT NOTICE:

- Not suitable as sole source of nutrition
- Must be used under medical supervision
- Not to be used by individuals without disorders in branched chain amino acid metabolism
- For infants with disorders in branched chain amino acid metabolism
- Not suitable for parenteral use
- Not to be used by individuals with lactose intolerance

comida-MSUD A formula is free from any preserving agent, colourings or sweeteners



produced in
GERMANY

Food for Special
Medical Purposes

comida

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Ingredients: Lactose (Milk), Vegetable oils (Palm oil, rapeseed oil, Palm kernel oil, sunflower oil), Maltodextrin, Starch, L-Lysine-L-Glutamate, L-Lysine-L-Aspartate, L-Arginine-L-Aspartate, L-Proline, tri-Calcium phosphate, L-Serine, L-Threonine, Emulsifier E472c, tri-Potassium citrate, L-Alanine, Glycine, L-Tyrosine, L-Phenylalanine, L-Glutamic acid, L-Histidine, L-Cystine, L-Glutamine, L-Tryptophan, L-Methionine, Sodium chloride, Potassium chloride, Oil from *Mortierella alpina*, Magnesium carbonate, Choline bitartrate, DHA and EPA-rich oil from the microalgae *Schizochytrium sp.*, di-Calcium phosphate, Vitamins (A, D, E, K, C, B1, B2, Niacin, B6, Folic acid, Pantothenic acid, B12, Biotin), Inositol, L-Carnitine-L-Tartrate, Taurine, Iron-II-sulfate, Zinc sulfate, Emulsifier lecithine, Antioxidants Tocopherol-rich extract and Ascorbyl palmitate, Manganese sulfate, Copper sulfate, Sodium fluoride, Potassium iodide, Sodium molybdate, Chromium-III-chloride, Sodium selenite.

Nutrition facts		per 100 g	per 100 ml*
Energy	kJ / kcal	2113 / 505	275 / 66
Fat (of which)	g	27	3,6
saturated fatty acids	g	10	1,3
monounsaturated fatty acids	g	13	1,7
polyunsaturated fatty acids	g	4,2	0,6
linoleic acid	g	3,5	0,5
α-Linolenic acid	g	0,55	0,07
arachidonic acid	mg	115	15
docosahexaenoic acid	mg	65	8,5
Carbohydrates	g	53	6,8
of which Sugar	g	32	4,2
Lactose	g	31	4,0
Protein equivalent **	g	12	1,54
Salt	g	0,31	0,04
Amino acids	g	14	1,9
L-Alanine	g	0,82	0,11
L-Arginine	g	0,89	0,12
L-Aspartic acid	g	1,6	0,21
L-Cystine	g	0,44	0,06
L-Glutamic acid	g	1,5	0,20
L-Glutamine	g	0,40	0,05
Glycine	g	0,77	0,10
L-Histidine	g	0,48	0,06
L-Lysine	g	2,0	0,25
L-Methionine	g	0,32	0,04
L-Phenylalanine	g	0,68	0,09
L-Proline	g	1,3	0,17
L-Serine	g	1,0	0,13
L-Threonine	g	0,92	0,12
L-Tryptophan	g	0,33	0,04
L-Tyrosine	g	0,73	0,10

Minerals		per 100 g	per 100 ml*
Sodium	mg	123	16
Potassium	mg	474	61,6
Chloride	mg	336	43,7
Calcium	mg	496	64,5
Phosphorus	mg	267	34,7
Magnesium	mg	63,0	8,19
Iron	mg	6,1	0,79
Trace elements			
Zinc	mg	5,3	0,68
Copper	µg	347	45
Iodine	µg	84	10,9
Chromium	µg	10	1,3
Fluoride	µg	170	22
Manganese	µg	399	52
Molybdenum	µg	25	3,2
Selenium	µg	15	2,0
Vitamins			
Vitamin A (RE)	µg	801	104
Vitamin D	µg	10	1,3
Vitamin E (α-Tocopherol)	mg	9,0	1,2
Vitamin K	µg	22	2,9
Vitamin C	mg	80	10
Vitamin B1	µg	420	55
Vitamin B2	µg	902	117
Niacin	mg	5,4	0,70
Vitamin B6	µg	505	66
Folate (DFE)	µg	105	13,6
Pantothenic acid	mg	3,6	0,46
Vitamin B12	µg	1,2	0,15
Biotin	µg	12	1,6
L-Carnitine	mg	26	3,4
Choline	mg	69	9,0
Inositol	mg	46	6,0
Taurine	mg	36	4,7

* 13,0 g in 90 ml water ** Conversion: 1 g Protein = 1,2 g Amino acids = 17 kJ = 4 kcal