

# comida HCys **A** FORMULA

For the Dietary Management of Homocystinuria in  
**INFANTS IN THE FIRST YEAR OF LIFE**

- Supplies a methionine free amino acid mixture of high biological value
- Contains lactose and LCP
- Free from sucrose
- Provides vitamins, minerals and trace elements
- Easy to prepare

#### DESCRIPTION

comida-HCys A formula is a special infant formula, based on an amino acid mixture free from methionine and enriched with cystine and carbohydrates.

comida-HCys A formula contains long chain polyunsaturated fatty acids (LCP), and is supplemented with vitamins, minerals and trace elements.

#### INDICATIONS

For the dietary treatment in infants with homocystinuria – vitamin B6 non-responsive (due to Cystathionine  $\beta$ -Synthase deficiency).

#### RECOMMENDED USE

The daily amount of comida-HCys A formula needed depends on age, body weight and individual metabolic condition.

The dose of comida-HCys 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-HCys A formula		Protein content
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-HCys A formula

#### IMPORTANT NOTICE:

- Not suitable as sole source of nutrition
- Must be used under medical supervision
- Not to be used by individuals without homocystinuria
- For infants with homocystinuria
- Not suitable for parenteral use
- Not to be used by individuals with lactose intolerance

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



produced in  
**GERMANY**

Food for Special  
Medical Purposes

comida  
**HCys** **A** FORMULA



**Ingredients:** Lactose (Milk), Vegetable oils (Palm oil, rapeseed oil, Palm kernel oil, sunflower oil), Maltodextrin, Starch, L-Lysine-L-Glutamate, L-Arginine-L-Aspartate, L-Leucine, tri-Calcium phosphate, L-Proline, Emulsifier E472c, tri-Potassium citrate, L-Serine, L-Isoleucine, L-Threonine, L-Valine, L-Alanine, L-Lysine-L-Aspartate, Glycine, L-Tyrosine, L-Phenylalanine, L-Glutamic acid, L-Cystine, L-Histidine, L-Glutamine, Sodium chloride, Potassium chloride, Oil from *Mortierella alpina*, L-Tryptophan, 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*
<b>Energy</b>	<b>kJ / kcal</b>	<b>2118/506</b>	<b>275 / 66</b>
<b>Fat (of which)</b>	<b>g</b>	<b>27</b>	<b>3,6</b>
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	0,6	0,07
arachidonic acid	mg	115	15
docosahexaenoic acid	mg	65	8,5
<b>Carbohydrates</b>	<b>g</b>	<b>53</b>	<b>6,8</b>
of which Sugar	g	32	4,2
Lactose	g	31	4,0
<b>Protein equivalent **</b>	<b>g</b>	<b>12</b>	<b>1,54</b>
Salt	g	0,31	0,04
<b>Amino acids</b>	<b>g</b>	<b>14</b>	<b>1,9</b>
L-Alanine	g	0,70	0,09
L-Arginine	g	0,76	0,10
L-Aspartic acid	g	0,90	0,12
L-Cystine	g	0,55	0,07
L-Glutamic acid	g	1,5	0,19
L-Glutamine	g	0,34	0,04
Glycine	g	0,66	0,09
L-Histidine	g	0,41	0,05
L-Isoleucine	g	0,81	0,11
L-Leucine	g	1,3	0,17
L-Lysine	g	1,3	0,16
L-Phenylalanine	g	0,58	0,08
L-Proline	g	1,1	0,15
L-Serine	g	0,88	0,11
L-Threonine	g	0,79	0,10
L-Tryptophan	g	0,29	0,04
L-Tyrosine	g	0,63	0,08
L-Valine	g	0,79	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	6,0	0,78
<b>Trace elements</b>			
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
<b>Vitamins</b>			
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