

# Product Information

– for professionals only –



## XPhe Infant Mix<sup>LCP</sup>

### In Short

- XPhe Infant Mix<sup>LCP</sup> is a Food for Special Medical Purposes (FSMP) for use in the dietary management of Phenylketonuria (PKU) or Hyperphenylalaninemia (HPA)
- for infants, from birth onwards
- protein supplement free of Phenylalanine – in powder form
- with carbohydrate (mainly lactose) and fat
- like human breast milk enriched with LCP-fatty acids
- highly purified L-amino acids
- micronutrients in adequate amounts
- in 500 g tin

### Product Profile

XPhe Infant Mix<sup>LCP</sup> is a powdered mixture of highly purified L-amino acids free of Phenylalanine – especially for infants, from birth onwards.

XPhe Infant Mix<sup>LCP</sup> contains carbohydrate and fat: Like breast milk XPhe Infant Mix<sup>LCP</sup> contains lactose as main carbohydrate and is enriched with LCPUFA-lipids.

XPhe Infant Mix<sup>LCP</sup> is enriched with vitamins, minerals and trace elements in adequate amounts.

### Administration

The daily amount is determined individually and is given to the infant in combination with calculated amounts of breast milk and/or regular infant formula and/or low protein weaning food (beikost).

### Preparation and Feeding

When prepared with drinking water only, XPhe Infant Mix<sup>LCP</sup> gives a Phenylalanine (Phe) free bottle feed or weaning food, which can be used for lowering the blood Phe level. For preparing a Phe-reduced weaning food, XPhe Infant Mix<sup>LCP</sup> is mixed with calculated amounts of starch, low protein biscuits and/or fruits.

Recipes for low-Phe paps are available in our booklets “PKU im ersten Lebensjahr” (PKU in the first year of life) and “Vom Säugling zum Löffeling” (From infant bottle to weaning food) – both in German language. These can be ordered from us free of charge.

XPhe Infant Mix<sup>LCP</sup> must not be given without other protein containing foods (e.g. breast milk or regular infant formula)

over a longer period of time. Medical supervision is indispensable in any case.

**Advice for Dental Health** Carbohydrates are indispensable for the nutrition of a child. Like breast milk XPhe Infant Mix<sup>LCP</sup> contains carbohydrate. Incorrect use of the bottle (frequent or continuous sucking) however can result in tooth decay (caries) and related damages to tooth health. Thus a bottle feed should only last for the time required for the food intake. Please advise the parents accordingly.

**Function** XPhe Infant Mix<sup>LCP</sup> substitutes that part of the protein in the diet which may not be taken up from natural food sources.

**Indication** XPhe Infant Mix<sup>LCP</sup> is a food for special medical purposes and as a protein supplement suitable for the dietary management of Phenylketonuria (PKU) or Hyperphenylalaninemia (HPA).

**Dosage** The correct dosage of XPhe Infant Mix<sup>LCP</sup> is determined by the physician and should be adjusted regularly in accordance with the results of periodical monitoring. The dosage depends on age, body weight, protein requirements and the infant's individual Phenylalanine tolerance. The daily dosage of XPhe Infant Mix<sup>LCP</sup> and other food (e.g. breast milk, infant formula or Beikost) is determined in a diet plan. The total daily amount of XPhe Infant Mix<sup>LCP</sup> should be given as a bottle feed or a weaning food, divided into

### PREPARATION OF A BOTTLE FEED



Clean and boil bottle and teat before use.



Boil water and leave to cool down to approx. 40 °C. Pour water into the bottle.



Loosen the powder with the scoop.



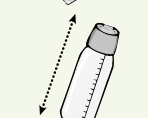
Take powder up loosely with the scoop.



Strip off powder with the back of a knife.



Determine the tara weight of the bottle. Carefully empty the scoop into the bottle. Weigh out and thus verify the amount of powder.



Put the lid safely on the bottle and shake.



Open bottle and fix the teat. Check drinking temperature (cheek test).

**Always prepare bottle feed or weaning food freshly. Do not reuse any rest.**

3 – 5 single portions, evenly distributed during the day.

The PKU-diet must be supplemented with energy, natural protein, other nutrients and water 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 infants with proven with Phenylketonuria (PKU) or Hyperphenylalaninemia (HPA). Follow the instructions for use.

**NUTRITION INFORMATION**XPhe Infant Mix<sup>LCP</sup>

		100 g powder	100 ml ready- to-use 15% **
<b>Energy</b>	kJ	2072	311
	kcal	496	74
<b>Fat</b>	g	28	4
of which			
saturates	g	12	2
mono-unsaturates	g	10	1,6
polyunsaturates	g	5	0,7
Docosahexaenoic acid (DHA)	mg	112	17
<b>Carbohydrate</b>	g	51	8
of which sugars	g	24	3,6
Lactose	g	23	3,4
Maltodextrine	g	27	4
<b>Protein eqv.*</b>	g	11	1,7
<b>Salt</b>	g	0,6	0,1

**Vitamins**

Vitamin A	µg	570	86
Vitamin D3	µg	7	1
Vitamin E	mg	5	0,7
Vitamin K1	µg	24	3,6
Vitamin C	mg	58	9
Thiamin (Vit. B1)	mg	0,5	0,07
Riboflavin (Vit. B2)	mg	0,5	0,08
Niacin	mg	6	0,9
Vitamin B6	mg	0,5	0,08
Folic acid	µg	51	8
Vitamin B12	µg	1,3	0,2
Biotin	µg	14	2
Pantothenic acid	mg	4	0,6

**Minerals**

Sodium	mg	260	39
Potassium	mg	500	75
Chlorid	mg	380	57
Calcium	mg	500	75
Phosphor	mg	335	50
Magnesium	mg	52	8

**Trace elements**

Iron	mg	6	1
Zinc	mg	5	0,8
Copper	mg	0,36	0,05
Manganese	mg	0,4	0,06
Fluoride	mg	0,13	0,02
Selenium	µg	13	2
Chromium	µg	26	4
Molybdenum	µg	26	4
Iodine	µg	46	7

**FURTHER NUTRITION INFORMATION**XPhe Infant Mix<sup>LCP</sup>

		100 g powder	100 ml ready- to-use 15% **
L-Carnitine	mg	11	1,6
Choline	mg	77	12
myo-Inositol	mg	51	8
Taurine	mg	39	6
<b>Amino acids</b>	g	13	2
(*1 g protein = 1,2 g amino acids)			
L-Alanine	g	0,5	0,08
L-Arginine	g	0,5	0,08
L-Aspartic acid	g	1,1	0,17
L-Cystine	g	0,3	0,05
L-Glutamic acid	g	1,8	0,27
Glycine	g	0,4	0,06
L-Histidine	g	0,4	0,06
L-Isoleucine	g	0,8	0,12
L-Leucine	g	1,3	0,20
L-Lysine	g	0,9	0,14
L-Methionine	g	0,2	0,03
L-Phenylalanine	g	–	–
L-Proline	g	1,1	0,17
L-Serine	g	0,7	0,11
L-Threonine	g	0,6	0,09
L-Tryptophan	g	0,3	0,05
L-Tyrosine	g	1,2	0,18
L-Valine	g	0,8	0,12

**\*\*Standard dilution**

15 g XPhe Infant Mix<sup>LCP</sup> + 90 ml drinking water  
= 100 ml ready-to-use formula

The spoon enclosed in the tin contains approx. 5 g XPhe Infant Mix<sup>LCP</sup>. At best always weigh out the amount needed for the preparation of the bottle feed with XPhe Infant Mix<sup>LCP</sup>.

**Osmolality of standard solution**

350 – 360 mosmol/kg

**INGREDIENTS**

Vegetable oils (sunflower oil, coconut oil, rape seed oil), maltodextrin, **lactose**, L-lysine-L-glutamate, calcium phosphate, L-leucine, potassium-L-glutamate, L-tyrosine, L-proline, L-arginine-L-aspartate, L-valine, L-isoleucine, L-serine, sodium chloride, magnesium-L-aspartate, L-threonine, L-alanine, L-histidine, glycine, L-tryptophan, L-cystine, L-aspartic acid, L-methionine, emulsifiers: E 472c & sunflower lecithin, potassium citrate, potassium carbonate, **docosahexaenoic acid (DHA)-rich fishoil (milk)**, choline, inositol, vitamin C, taurine, vanillin, ferrous sulphate, zinc sulphate, L-carnitine, niacin, vitamin E, pantothenic acid, manganese sulphate, cupric sulphate, vitamin A, vitamin B2, vitamin B6, vitamin B1, sodium fluoride, chromium (III) chloride, sodium molybdate, potassium iodide, folic acid, sodium selenite, vitamin K, biotin, vitamin D, vitamin B12.

Delivery Unit	tin 6 x 500 g = 3000 g
Article Number	xx-001-20000
Delivery to	Pharmacies, clinics
Storage	Store in a cool, dry place.