



## Peptamen Junior (powder)

Nutritionally balanced, whey peptide diet, tailor-made for children.

Peptamen® Junior is a complete and balanced whey peptide diet, tailor-made for children aged 1-10 years. It is formulated to provide complete or supplemental nutritional support in an easily absorbable form. Peptamen® Junior is appropriate for the metabolically stressed children, those with compromised gastro-intestinal function and those with challenging feeding issues. Clinical applications include: early post surgical feeding, malabsorption, chronic diarrhoea, hypoalbuminemia, pancreatic insufficiency, short bowel syndrome, HIV/AIDS, Crohn's disease, growth failure, radiation enteritis, cystic fibrosis, and elevated gastric residuals.

### Nutritional profile

Peptamen® Junior can be reconstituted to a variety of caloric densities. It is nutritionally balanced and complete with an energy distribution of 12% protein, 33% fat and 55% carbohydrate.

### Ingredients

Maltodextrin, whey peptides, sucrose, medium chain triglycerides (MCT), potato starch, soy oil, high oleic sunflower oil, soy lecithin, vanilla flavour, vitamins, minerals, and trace elements.

### Lipid

The lipid sources of Peptamen® Junior are MCT, high oleic sunflower oil, soy oil and soy lecithin.

- 3.8g lipid/100ml or 100 kcal

MCT, providing 60% of the lipids, are an easily absorbed and rapidly utilised source of energy. Peptamen® Junior may be used for patients requiring fat restriction, as long chain triglycerides provide only 14% TEI.

- Essential fatty acids provide 5.5% TEI, exceeding minimum requirements.
- ω6/ω3 ratio of 7:1

### Protein

Peptides, from hydrolysed whey protein, provide an easily absorbed and utilised source of nitrogen.

- 3.0g protein/100ml or 100kcal

Research has shown peptides to offer advantages over free amino acid and intact protein diets.

- Better protein absorption and GI tolerance compared to free amino acid or intact protein diets.
- Better maintenance of GI tract integrity compared to free amino acids or intact proteins.
- Superior protein quality, bioavailability, net utilisation and growth compared to free amino acids or intact protein diets.
- More favourable recovery, outcome and survival in animal studies comparing peptides to free amino acids or intact proteins.

Peptamen® Junior is gluten free.

### Carbohydrate

Carbohydrates are provided by maltodextrin, sucrose and starch.

- 13.8g carbohydrate/100ml or 100kcal

This a moderate carbohydrate formula, which is important for patients with glucose intolerance.

Peptamen® Junior is lactose free.

### Micronutrients

Vitamin and mineral requirements for children aged 1-3 years are met or exceeded in 1000ml (1000kcal).

Vitamin and mineral requirements for children aged 4-8 years are met or exceeded in 1500ml (1500kcal).

### Residue/Fibre

Peptamen® Junior is a low residue diet.

### Osmolality / Osmolarity

- 310 mosm/kg H<sub>2</sub>O / 260 mosm/l

Peptamen® Junior has low osmolality thus reducing the risk of osmotic diarrhoea.

### Packaging

Peptamen® Junior is available in 400g tins.

Use under healthcare supervision.

NUTRITIONAL COMPOSITION		per 1 litre (1kcal/ml)
ENERGY	kcal	100
PROTEIN	(12% TEI) g	3.0
CARBOHYDRATE	(55% TEI) g	13.8
FAT	(33% TEI) g	3.8
DIETARY FIBRE	g	0
Sodium	mg	66
Potassium	mg	135
Calcium	mg	91
Phosphorus	mg	61
Magnesium	mg	12
Chloride	mg	81
Iron	mg	1.0
Zinc	mg	1.0
Copper	mg	0.08
Manganese	mg	119
Chromium	mcg	2.5
Molybdenum	mcg	6.6
Selenium	mcg	3.0
Iodine	mcg	9.0
Vitamin A	IU	150
β-carotene	mg	0.18
Vitamin D	IU	40
Vitamin E	IU	1.5
Vitamin K	mcg	4.0
Vitamin C	mg	8.0
Thiamin (vit. B1)	mg	0.10
Riboflavin (vit. B2)	mg	0.10
Niacin	mg	0.6
Vitamin B6	mg	0.08
Folic acid	mcg	20
Pantothenic acid	mg	0.3
Vitamin B12	mcg	0.15
Biotin	mcg	3.5
Choline	mg	25
Carnitine	mg	4.0
Taurine	mg	8.0

TEI: Total Energy Intake

