



ACBS  GMS  PBS

### **Description**

#### **Food for special medical purposes.**

PKU cooler is a ready-to-drink phenylalanine free\* protein substitute, containing essential and non-essential amino acids, carbohydrate, vitamins, minerals, trace elements and docosahexaenoic acid (DHA).

With sugars and sweetener. Available in a choice of flavours.

### **Indications**

PKU Cooler is for the dietary management of Phenylketonuria (PKU) from 3 years onwards.

### **Dosage and Administration**

To be determined by the clinician or dietitian and is dependent on the age, body weight and medical condition of the patient.

### **Preparation Guidelines**

Shake well before use. Best served chilled. Water or permitted drinks should be taken after PKU cooler.

### **Storage**

Store in a cool dry place or refrigerate before use if preferred.

The product should be consumed immediately after opening.

However, if this is not possible, seal cap and consume within 6 hours at room temperature or within 24 hours if refrigerated. Re-shake well before use.

Packaged in a protective atmosphere.

## **IMPORTANT NOTICE**

Use under medical supervision.

Not suitable for use as a sole source of nutrition.

Suitable from 3 years of age onwards.

Must only be consumed by people with proven PKU under strict medical supervision.

Diet must be supplemented with natural protein, water and other nutrients in prescribed quantities to supply the phenylalanine, fluid and general nutritional requirements.

For enteral use only.

## Nutritional Information

		Per 100ml	Per Cooler <sub>10</sub> 87ml	Per Cooler <sub>15</sub> 130ml	Per Cooler <sub>20</sub> 174ml
Energy	kJ	329	286	429	573
	kcal	78	68	101	135
Fat	g	0.9	0.8	1.2	1.6
of which					
Saturates	g	0.2	0.2	0.3	0.3
DHA**	mg	77	67	100	134
Carbohydrate	g	5.1	4.4	6.6	8.9
of which					
sugars	g	3.4	3.0	4.4	5.9
Protein equivalent	g	11.5	10	15	20
L-Phenylalanine*	g	-	-	-	-
Salt	g	0.18	0.15	0.23	0.31
<b>Vitamins, minerals &amp; trace elements</b>					
Vitamin A (RE)	µg	150	131	195	261
Vitamin D	µg	5.8	5.0	7.5	10
Vitamin E (αTE)	mg	3.0	2.6	3.9	5.2
Vitamin K	µg	14	12	18	24
Vitamin C	mg	21	18	27	37
Thiamin	mg	0.40	0.35	0.52	0.70
Riboflavin	mg	0.44	0.38	0.57	0.77
Niacin (Niacin Eq)	mg	2.0 (6.8)	1.7 (5.9)	2.6 (8.8)	3.5 (12)
Vitamin B6	mg	0.50	0.44	0.65	0.87
Folic acid	µg	58	50	75	101
Vitamin B12	µg	0.9	0.78	1.2	1.6
Biotin	µg	7.5	6.5	9.7	13
Pantothenic acid	mg	1.1	0.96	1.4	1.9
Sodium	mg	70	61	91	122
	mmol	3.0	2.6	3.9	5.2
Potassium	mg	140	122	182	244
	mmol	3.5	3.0	4.6	6.1
Chloride	mg	80	70	104	139
	mmol	2.2	1.9	2.9	3.9
Calcium	mg	230	200	299	400
	mmol	5.8	5.0	7.5	10
Phosphorus	mg	205	178	267	357
	mmol	6.6	5.7	8.5	11
Magnesium	mg	63	55	82	110
	mmol	2.6	2.2	3.4	4.5

\*\* Docosahexaenoic acid (DHA)

## Nutritional Information

		Per 100ml	Per cooler <sup>10</sup> 87ml	Per cooler <sup>15</sup> 130ml	Per cooler <sup>20</sup> 174ml
Iron	mg	4.2	3.7	5.5	7.3
Zinc	mg	3.2	2.8	4.2	5.6
Copper	mg	0.42	0.36	0.55	0.73
Manganese	mg	0.29	0.25	0.38	0.50
Selenium	µg	15	13	19	26
Chromium	µg	8.0	7.0	10	14
Molybdenum	µg	13	11	17	23
Iodine	µg	49	43	64	85
Choline	mg	115	100	150	200
<b>Amino Acids</b>					
L-Alanine	g	0.53	0.46	0.69	0.92
L-Arginine	g	0.86	0.75	1.12	1.50
L-Aspartic acid	g	1.36	1.18	1.77	2.37
L-Cystine	g	0.35	0.30	0.46	0.61
Glycine	g	1.35	1.17	1.76	2.35
L-Histidine	g	0.53	0.46	0.69	0.92
L-Isoleucine	g	0.93	0.81	1.21	1.62
L-Leucine	g	1.46	1.27	1.90	2.54
L-Lysine	g	0.96	0.84	1.25	1.67
L-Methionine	g	0.26	0.23	0.34	0.45
L-Proline	g	0.97	0.84	1.26	1.69
L-Serine	g	0.60	0.52	0.78	1.04
L-Threonine	g	0.93	0.81	1.21	1.62
L-Tryptophan	g	0.29	0.25	0.38	0.50
L-Tyrosine	g	1.37	1.19	1.78	2.38
L-Valine	g	1.07	0.93	1.39	1.86
L-Carnitine	mg	13	11	17	23
Taurine	mg	25	22	33	44

### Osmolality:

1550 mOsm/kg

\*No added phenylalanine. Phenylalanine may be present in trace amounts from other ingredients <3mg/100ml.

## Ingredients

### PKU Cooler Orange

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (Soya Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined Tuna Oil (Fish), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, Flavourings, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Colour (E160a), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler Purple

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (Soya Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined Tuna Oil (Fish), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, Colour (E163), L-Tryptophan, L-Methionine, L-Arginine, Flavourings, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler Red

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Flavourings, Thickeners (E1422, E415), Emulsifier (Soya Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined Tuna Oil (Fish), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Colour (E120), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

### PKU Cooler White

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (Soya Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined Tuna Oil (Fish), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweetener (Acesulfame K), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

**PKU Cooler Yellow**

Water, Sucrose, L-Lysine L-Aspartate, L-Leucine, L-Tyrosine, Glycine, L-Arginine L-Aspartate, Acidity Regulator (E296), L-Valine, L-Proline, L-Threonine, L-Isoleucine, Thickeners (E1422, E415), Emulsifier (Soya Lecithin), Tri Calcium Phosphate, L-Serine, L-Alanine, L-Histidine, Magnesium Phosphate, Refined Tuna Oil (Fish), L-Cystine, Choline Bitartrate, Tri Potassium Citrate, L-Tryptophan, Flavouring, L-Methionine, L-Arginine, Sodium Chloride, Vitamin C (Sodium L-Ascorbate), Sweeteners (Acesulfame K, Sucralose), Colour (E160a), Preservatives (E202, E211), Taurine, Zinc Gluconate, L-Carnitine L-Tartrate, Ferrous Sulphate, Vitamin E (DL-Alpha-Tocopheryl Acetate), Copper Gluconate, Manganese Gluconate, Vitamin A (Retinyl Palmitate), Vitamin D (Cholecalciferol), Niacin (Nicotinamide), Vitamin K (Phylloquinone), Pantothenic Acid (Calcium D-Pantothenate), Sodium Selenite, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic acid), Vitamin B6 (Pyridoxine Hydrochloride), Potassium Iodide, Thiamin Hydrochloride, Riboflavin, Chromium Chloride, Sodium Molybdate.

**Allergen Declaration**

Contains fish (tuna oil)  
Contains soya (soya lecithin)

**Pack Size/Weight**

  
30 x 87ml e pouches = 2.61L

  
30 x 130ml e pouches = 3.9L

  
30 x 174ml e pouches = 5.22L

**Flavours**

Orange, purple, red, white and yellow.

**Storage**

Store in a cool dry place.  
Once opened drink immediately or recap,  
refrigerate and use within 24 hours.

