



ACBS  GMS  PBS

### Description

#### Food for special medical purposes.

PKU sphere™ is a powdered, low phenylalanine protein substitute containing a balanced mix of glycomacropeptide (GMP) isolate, essential and non-essential amino acids, carbohydrate, fat, vitamins, minerals and docosahexaenoic acid (DHA). With sugar and sweetener.

### Indications

PKU sphere is for the dietary management of phenylketonuria (PKU) from 4 years of age onwards.

### Recommended Intake and Administration

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

PKU sphere15 (27g sachet) = 15g PE  
1 sachet = 28mg phenylalanine

PKU sphere20 (35g sachet) = 20g PE  
1 sachet = 36mg phenylalanine

### Preparation Guidelines

1. Measure cold water into a cup with a lid (100ml for PKU sphere15, 120ml for PKU sphere20).
2. Add 1 sachet of PKU sphere.
3. Secure lid and shake until the powder is fully dissolved.
4. PKU sphere is now ready to use.

The product should be freshly prepared and consumed immediately. If this is not possible then all prepared product must be tightly covered and consumed within 4 hours if kept at room temperature, or within 24 hours if refrigerated. If separation occurs, re-shake before use.

### IMPORTANT NOTICE

PKU sphere must be used under medical supervision.

Not suitable for use as a sole source of nutrition.

PKU sphere is suitable from 4 years of age onwards.

PKU sphere must only be consumed by people with PKU. Protein in prescribed amounts must be supplemented to completely meet phenylalanine requirements.

Ensure adequate intake of fluid and other nutrients to meet general nutritional requirements.

Protein substitutes based on GMP are a source of phenylalanine.

For enteral use only.

## Nutritional Information

		Per 100g	Per PKU sphere15 27g	Per PKU sphere20 35g
Energy	kJ	1432/1450 <sup>†</sup> /1415 <sup>#</sup>	386	508/510 <sup>†</sup> /500 <sup>#</sup>
	kcal	338/340 <sup>†</sup> /335 <sup>#</sup>	91	120
Fat	g	4.7	1.3	1.6
of which Saturates	g	1.0	0.27	0.35
DHA	mg	314	85	110
Carbohydrate	g	18/19 <sup>†</sup> /17 <sup>#</sup>	4.9	6.3/6.6 <sup>†</sup> /6.0 <sup>#</sup>
of which Sugars	g	6.3/8.0 <sup>†</sup> /7.1 <sup>#</sup>	1.7/2.2 <sup>†</sup>	2.2/2.8 <sup>†</sup> /2.5 <sup>#</sup>
Protein	g	56	15	20
L-Phenylalanine	mg	104	28	36
Salt	g	2.0	0.55	0.71
<b>Vitamins, minerals &amp; trace elements</b>				
Vitamin A RE	µg	740	200	259
Vitamin D	µg	14	3.9	5.0
Vitamin E α TE	mg	15	4.1	5.3
Vitamin K	µg	67	18	23
Vitamin C	mg	74/90 <sup>†/#</sup>	20	26/31 <sup>†/#</sup>
Thiamin	mg	1.7	0.46	0.60
Riboflavin	mg	1.7	0.46	0.60
Niacin (Niacin Eq)	mg	9.1 (28)	2.5 (7.6)	3.2 (9.8)
Vitamin B6	mg	1.7	0.46	0.60
Folic acid	µg	290	78	102
Vitamin B12	µg	4.6	1.2	1.6
Biotin	µg	36	9.8	13
Pantothenic acid	mg	5.7	1.5	2.0
Sodium	mg	810	219	283
	mmol	35	9.4	12
Potassium	mg	670	181	234
	mmol	17	4.5	5.9
Chloride	mg	20	5.4	7.0
	mmol	0.56	0.15	0.20
Calcium	mg	1140	308	399
	mmol	29	7.7	10
Phosphorus	mg	1180	319	413
	mmol	38	10.2	13
Magnesium	mg	330	89	115
	mmol	13	3.5	4.6
Iron	mg	21	5.7	7.4
Zinc	mg	21	5.7	7.4
Copper	mg	1.7	0.46	0.60
Manganese	mg	1.1	0.31	0.40

\* PKU sphere Chocolate

† PKU sphere Banana

# PKU sphere Lemon

## Nutritional Information

		Per 100g	Per PKU sphere15 27g	Per PKU sphere20 35g
Selenium	µg	86	23	30
Chromium	µg	34	9.3	12
Molybdenum	µg	57	15	20
Iodine	µg	240	65	84
Choline	mg	570	154	200
<b>Amino Acids</b>				
L-Arginine	g	2.73	0.74	0.96
L-Proline	g	4.58	1.24	1.60
L-Glutamine	g	7.72	2.08	2.70
L-Isoleucine	g	4.06	1.10	1.42
L-Leucine	g	8.62	2.33	3.02
L-Methionine	g	0.80	0.22	0.28
L-Phenylalanine	g	0.10	0.028	0.036
L-Tyrosine	g	6.43	1.74	2.25
L-Valine	g	3.27	0.88	1.14
L-Alanine	g	2.36	0.64	0.83
L-Aspartic Acid	g	3.73	1.01	1.31
L-Cystine	g	0.69	0.19	0.24
Glycine	g	2.02	0.55	0.71
L-Histidine	g	2.01	0.54	0.70
L-Lysine	g	2.72	0.73	0.95
L-Serine	g	2.88	0.78	1.01
L-Threonine	g	6.55	1.77	2.29
L-Tryptophan	g	1.15	0.31	0.40
<b>Osmolality</b>				
PKU sphere15 Red Berry: 750mOsm/kg		PKU sphere20 Red Berry: 900mOsm/kg		
PKU sphere15 Vanilla: 770mOsm/kg		PKU sphere20 Vanilla: 850mOsm/kg		
PKU sphere15 Chocolate: 750mOsm/kg		PKU sphere20 Chocolate: 800mOsm/kg		
		PKU sphere20 Banana: 730mOsm/kg		
		PKU sphere20 Lemon: 730mOsm/kg		

### Allergen Declaration

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

### Pack Size/Weight

30 x 27g e sachets = 810g Net Wt.  
30 x 35g e sachets = 1.05kg Net Wt.

### Flavours:

Red Berry  
Vanilla  
Chocolate  
Banana  
Lemon

### Storage

Unopened: Store in a cool, dry place.  
Opened: Sachets are designed for single use.  
If prescribed less than one full sachet per day, any unused powder in a sachet must be tightly sealed, and used within 24 hours.



## Ingredients

### Red Berry

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, L-Tyrosine, Flavourings, Sucrose, Thickener (E1422), Emulsifier (**Soya Lecithin**), L-Arginine, Calcium Lactate, Magnesium Hydrogen Phosphate, Tri Calcium Phosphate, Glucose Syrup, L-Histidine, Choline Bitartrate, Glycine, Refined **Tuna Oil (Fish)**, L-Tryptophan, Colour (E162), L-Lysine L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Maltodextrin, Ferrous Sulphate, L-Methionine, Artificial Sweetener (Sucralose), DL-Alpha Tocopheryl Acetate, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Copper Gluconate, Niacinamide, Manganese Gluconate, Retinyl Acetate, D-Calcium Pantothenate, Vitamin D3 (Cholecalciferol), Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K (Phylloquinone).

### Vanilla

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, Sucrose, L-Tyrosine, Flavourings, Thickener (E1422), Emulsifier (**Soya Lecithin**), L-Arginine, Calcium Lactate, Magnesium Hydrogen Phosphate, Tri Calcium Phosphate, Glucose Syrup, L-Histidine, Choline Bitartrate, Glycine, Refined **Tuna Oil (Fish)**, L-Tryptophan, L-Lysine L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Maltodextrin, Ferrous Sulphate, L-Methionine, Artificial Sweetener (Sucralose), DL-Alpha Tocopheryl Acetate, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Copper Gluconate, Niacinamide, Manganese Gluconate, Retinyl Acetate, D-Calcium Pantothenate, Vitamin D3 (Cholecalciferol), Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K (Phylloquinone).

### Chocolate

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, Sucrose, L-Tyrosine, Flavouring, Thickener (E1422), Emulsifier (**Soya Lecithin**), L-Arginine, Calcium Lactate, Magnesium Hydrogen Phosphate, Tri Calcium Phosphate, Glucose Syrup, L-Histidine, Choline Bitartrate, Glycine, Refined **Tuna Oil (Fish)**, L-Tryptophan, L-Lysine L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Maltodextrin, Ferrous Sulphate, L-Methionine, Artificial Sweetener (Sucralose), DL-Alpha Tocopheryl Acetate, Potassium Iodide, Chromium Chloride, Sodium Selenite, Sodium Molybdate, Copper Gluconate, Niacinamide, Manganese Gluconate, Retinyl Acetate, D-Calcium Pantothenate, Vitamin D3 (Cholecalciferol), Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid (Pteroylmonoglutamic Acid), Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K (Phylloquinone).

### Banana

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, Flavourings, L-Tyrosine, Sucrose, Thickener (E1422), Emulsifier (**Soya Lecithin**), L-Arginine, Calcium Lactate, Magnesium Hydrogen Phosphate, Tricalcium Phosphate, L-Histidine, Choline Bitartrate, Glycine, Refined **Tuna Oil (Fish)**, L-Tryptophan, L-Lysine L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Sweetener (Sucralose), Ferrous Sulphate, L-Methionine, DL-Alpha Tocopheryl Acetate, Potassium Iodide, Sodium Selenite, Copper Gluconate, Niacinamide, Manganese Gluconate, Retinyl Acetate, Sodium Molybdate, Calcium-D Pantothenate, Vitamin D3 (Cholecalciferol), Chromium Chloride, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K (Phylloquinone).

### Lemon

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, L-Tyrosine, Flavourings, Thickener (E1422), Sucrose, Emulsifier (**Soya Lecithin**), L-Arginine, Acidity Regulator (E330), Calcium Lactate, Magnesium Hydrogen Phosphate, Tricalcium Phosphate, L-Histidine, Choline Bitartrate, Glycine, Refined **Tuna Oil (Fish)**, L-Tryptophan, L-Lysine L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Sweetener (Sucralose), Ferrous Sulphate, L-Methionine, DL-Alpha Tocopheryl Acetate, Potassium Iodide, Sodium Selenite, Copper Gluconate, Niacinamide, Manganese Gluconate, Retinyl Acetate, Sodium Molybdate, Calcium-D Pantothenate, Vitamin D3 (Cholecalciferol), Chromium Chloride, Vitamin B12 (Cyanocobalamin), D-Biotin, Folic Acid, Thiamin Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K (Phylloquinone).



Enhancing Lives Together

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