



ACBS GMS PBS

Description

Food for special medical purposes.

TYR sphere® is a powdered, low tyrosine and low phenylalanine protein substitute, containing a balanced mix of casein glycomacropeptide (cGMP) isolate, essential and non-essential amino acids, carbohydrate, fat, vitamins, minerals and Docosahexaenoic acid (DHA). With sugar and sweetener.

Indications

For the dietary management of tyrosinaemia (TYR) from 3 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.

TYR sphere20 (35g sachet) = 20g PE
1 sachet = 36mg phenylalanine and <11mg tyrosine*

Preparation Guidelines

1. Measure 120ml of cold water into a cup with a lid.
2. Add 1 sachet of TYR sphere20.
3. Secure lid and shake until the powder is fully dissolved.
4. TYR sphere20 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

Use under medical supervision.

Not suitable for use as a sole source of nutrition.

Suitable from 3 years of age onwards.

TYR sphere must only be consumed by people with tyrosinaemia (TYR).

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

Protein substitutes based on GMP are a source of phenylalanine and tyrosine.

For enteral use only.

Nutritional Information

		Red Berry Flavour		Vanilla Flavour	
		Per 100g	Per TYR Sphere20 35g	Per 100g	Per TYR Sphere20 35g
Energy	kJ	1432	508	1415	500
	kcal	338	120	335	120
Fat	g	4.7	1.6	4.7	1.6
	of which Saturates	g	1.0	0.35	1.0
DHA	mg	314	110	314	110
Carbohydrate	g	18	6.3	17	6.0
	of which Sugars	g	4.0	1.4	6.6
Protein	g	56	20	56	20
L-Tyrosine	mg	<30	<11	<30	<11
L-Phenylalanine	mg	104	36	104	36
Salt	g	2.0	0.70	2.0	0.70
Vitamins, minerals & trace elements					
Vitamin A	µg RE	740	259	740	259
Vitamin D	µg	14	5.0	14	5.0
Vitamin E	mg α TE	15	5.3	15	5.3
Vitamin K	µg	67	23	67	23
Vitamin C	mg	74	26	90	31
Thiamin	mg	1.7	0.60	1.7	0.60
Riboflavin	mg	1.7	0.60	1.7	0.60
Niacin (Niacin Eq)	mg	9.1 (28)	3.2 (9.8)	9.1(28)	3.2(9.8)
Vitamin B6	mg	1.7	0.60	1.7	0.60
Folic Acid	µg	290	102	290	102
Vitamin B12	µg	4.6	1.6	4.6	1.6
Biotin	µg	36	13	36	13
Pantothenic Acid	mg	5.7	2.0	5.7	2.0
Sodium	mg	810	283	810	283
	mmol	35	12	35	12
Potassium	mg	670	234	670	234
	mmol	17	5.9	17	5.9
Chloride	mg	20	7.0	20	7.0
	mmol	0.56	0.20	0.56	0.20
Calcium	mg	1140	399	1140	399
	mmol	29	10	29	10
Phosphorus	mg	1180	413	1180	413
	mmol	38	13	38	13
Magnesium	mg	330	115	330	115
	mmol	13	4.6	13	4.6
Iron	mg	21	7.4	21	7.4
Zinc	mg	21	7.4	21	7.4
Copper	mg	1.7	0.60	1.7	0.60
Manganese	mg	1.1	0.40	1.1	0.40

Nutritional Information

		Red Berry Flavour		Vanilla Flavour	
		Per 100g	Per TYR Sphere20 35g	Per 100g	Per TYR Sphere20 35g
Selenium	µg	86	30	86	30
Chromium	µg	34	12	34	12
Molybdenum	µg	57	20	57	20
Iodine	µg	240	84	240	84
Choline	mg	570	200	570	200
Amino Acids					
L-Alanine	g	2.36	0.83	2.36	0.83
L-Arginine	g	4.87	1.70	4.87	1.70
L-Aspartic acid	g	3.73	1.31	3.73	1.31
L-Cystine	g	0.69	0.24	0.69	0.24
L-Glutamine	g	7.72	2.70	7.72	2.70
Glycine	g	7.09	2.48	7.09	2.48
L-Histidine	g	2.00	0.70	2.00	0.70
L-Isoleucine	g	4.06	1.42	4.06	1.42
L-Leucine	g	8.57	3.00	8.57	3.00
L-Lysine	g	2.72	0.95	2.72	0.95
L-Methionine	g	0.80	0.28	0.80	0.28
L-Phenylalanine	g	0.104	0.036	0.104	0.036
L-Proline	g	4.58	1.60	4.58	1.60
L-Serine	g	2.88	1.01	2.88	1.01
L-Threonine	g	6.55	2.29	6.55	2.29
L-Tryptophan	g	1.14	0.40	1.14	0.40
L-Tyrosine*	g	—	—	—	—
L-Valine	g	3.27	1.14	3.27	1.14
L-Tryptophan	g	1.14	0.40	1.14	0.40

***No added tyrosine:** Tyrosine may be present in trace amounts from cGMP isolate (<30mg/100g powder, <11mg/serving)

Osmolality:

TYR sphere20 Red Berry + 120ml = 1000mOsm/kg

TYR sphere20 Vanilla + 120ml = 960mOsm/kg

Ingredients

Red Berry Flavour:

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, Flavourings, Glycine, Thickener (E1422), L-Arginine, Sucrose, Emulsifier (Soya Lecithin), Calcium Lactate, Magnesium Hydrogen Phosphate, Tricalcium Phosphate, Glucose Syrup, L-Histidine, Choline Bitartrate, Refined **Tuna Oil (Fish)**, L-Tryptophan, Colour (E162), L-Lysine, L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Maltodextrin, Artificial Sweetener(Sucralose), Ferrous Sulphate, L-Methionine, 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).

Vanilla Flavour:

Casein Glyco Macro Peptide Isolate (**Milk**), L-Leucine, Glycine, Flavourings, Sucrose, L-Arginine, Thickener (E1422), Emulsifier (Soya Lecithin), Calcium Lactate, Magnesium Hydrogen Phosphate, Tricalcium Phosphate, L-Histidine, Choline Bitartrate, Refined **Tuna Oil (Fish)**, L-Tryptophan, L-Lysine, L-Aspartate, L-Cystine, Sodium Ascorbate, Zinc Gluconate, Sweetener (Sucralose), Ferrous Sulfate, 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, Thiamine Hydrochloride, Pyridoxine Hydrochloride, Riboflavin, Vitamin K1 (Phylloquinone).

Allergen Declaration

Contains **fish** (tuna oil)

Contains **soya** (soya lecithin)

Contains **milk** (milk protein)

TYR sphere is not suitable for a vegetarian or vegan diet.

Pack Size/Weight

30 x 35g e sachets = 1.05kg

Flavours

Red Berry

Vanilla

Storage

Unopened: Store in a cool, dry place.

Opened: Sachets are designed for single use.

If your dietitian/clinician prescribes less than one full sachet per day, any unused powder in a sachet must be tightly sealed, and used within 24 hours.



Enhancing Lives Together

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