

Supplementary Table S1. Composition of dietary products used for the EN plan.

	Phenyl-free 2HP®	PKU sphere 15®	Fresubin Original Fibre EasyBag®	Duocal®	Prozero®
Manufacturer	Reckitt Benckiser Group PLC, Slough, United Kingdom.	Vitafo a Nestlé Health Science Company, Vevey, Switzerland.	Fresenius Kabi, Bad Homburg, Germany.	Nutricia N.V., Zoetermeer, The Netherlands.	Vitafo a Nestlé Health Science Company, Vevey, Switzerland.
Description	Vanilla flavored high-protein Phe-free L-amino acid powdered formula.	Vanilla flavored low-Phe powdered formula containing casein glycomacropeptide (CGMP).	Unflavored liquid intended for the dietary management of any patients at risk of malnutrition.	A high-energy powdered product that contains a dual energy source of carbohydrates and fat.	Protein-free, liquid blend of carbohydrate and fat.
Energy (Kcal)	390.0	338.0	100.0	492.0	67.0
Protein equivalents (g)	40.0 (Phe 0.0 mg)	56.0 (Phe 104 mg) CGMP to AA ratio of 60:40	3.8 (Phe 210 mg) 40% casein; 10% lactoprotein; 50% soya	0.0 (Phe 0 mg)	0.0 (Phe 0 mg)
Carbohydrates (g)	44.0	18.0	13.8	72.7	8.1
• Monosaccharides	-	1.6	0.2	1.4	0.05
• Maltose	-	-	0.7	5.1	0.25
• Sucrose	22.0	6.3	-	-	-
• Maltodextrin	-	3.4	*	7.3 (maltotriose)	4.8
• Polysaccharides (e.g. starch)	21.3	10.4	13.8 (no starch)*	58.9	0.3
Fibre (g)	0.0	0.0	1.5	0.0	0.0
Lipids (g)	6.3	4.5	3.4	22.3	3.8
Osmolality (mOsm/Kg H₂O)	Dilution 1:4 = 1070 mOsm/L (osmolality)	770	330	Dilution 1:4 = 196; 1:3 = 310; 1:2 = 525	200

The nutritional information of dietary products is expressed per 100g or 100mL. The carbohydrate profile is expressed in g/100 g or 100 mL unless otherwise specified.

*Information regarding oligo and polysaccharide content is provided as a whole. Only Fresubin Original Fibre EasyBottle® contains starch, but not the EasyBag® presentation.