

Product Technical Dossier

Product	Whey Protein Isolate 90% - Non Instantised
CCL Product Code	P23137

Specification Details

	Specification
Identification	Positive
Assay (Protein (Nx6.38, dry matter))	Min 90%
Appearance	Powder
Colour	White to Light Cream
Aroma	Characteristic
Flavour	Characteristic
Loss on Drying	Max 5.5%
Ash	Max 4%
pH	Min 5.8
Lactose (HPLC)	Max 3%
Fat (Rose Gottlieb)	Max 1%

Microbiological Limits

Total Viable Count	Max 50,000cfu/g
Yeasts & Moulds	Max 100cfu/g
Salmonella	Negative/25g
Coliforms	Negative/1g

Product Code: P23137

Version: 4

Page 1 of 7

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Additional Technical Information

Raw Material Full Botanical / Chemical Name	Whey Protein Isolate
The material is Food Grade	Yes
Country of Origin	Poland and UK
Country of Manufacture	Poland and UK
Shelf Life from Date of Manufacture	18 months
Suitable for Vegetarians?	Yes
Suitable for Vegans?	No
Storage Conditions	This material is to be stored in a tightly sealed bag/container and to be kept in a cool place away from moisture and direct sunlight.

Composition Origin, Function and Percentages

Ingredients	Function	% Composition	Source
Whey Protein Isolate	Main Ingredient	100%	Whey from Milk

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	1,568 kJ / 369kcal
Fat (g)	0.8
-Of which saturated	0.1
-Of which unsaturated	<0.1
-Of which monounsaturated fatty	<0.1
-Of which polyunsaturated fatty acids	<0.1
-Trans fatty acids	<0.1
Carbohydrate (g)	2.5
-Of which Sugars (g)	2.5
Fibre (g)	0
Protein (g) (dry weight basis N6*38)	92.0
Cholesterol	<0.1
Salt (g)	0.4

Protein Fractions	% Of Protein
Beta-lactoglobulin	50-60
Glycomacropeptide	15-20
Alpha-lactalbumin	15-20
Bovine serum albumin	1.0-2.0
Immunoglobulin G	1.0-2.0
Immunoglobulin A	0.1-1.0
Lactoferrin	0.1-0.5

Product Code: P23137

Version: 4

Page 2 of 7

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Amino Acid	g/100g
Alanine	5
Arginine	1.75
Aspartic Acid	11.2
Cystine	2.3
Glutamic Acid	17.9
Glycine	1.6
Histidine	1.5
Isoleucine	5.8
Leucine	9.7
Lysine	9.55
Methionine	2.15
Phenylalanine	2.75
Proline	6.25
Serine	5
Threonine	6.85
Tryptophan	1.8
Tyrosine	2.65
Valine	5.05

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.

The allergen information is supplied by the manufacturer, we have not tested for each individual allergen to ensure they are not present. The information given is based on a documented risk assessment and is accurate to the best of our knowledge. If you intend to make a voluntary "free from" claim on your pack, additional testing may need to be carried out. For technical and labelling guidance, you should always speak to the competent authority for the market or member state in which the final products are placed.

Product Code: P23137

Version: 4

Page 3 of 7

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Allergens	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	Where applicable, is there risk of cross-contamination? YES/NO or N/A
Peanuts and Peanut Derivatives (including possible cross contamination)	No	No	N/A
Nut and Nut Derivatives <i>Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoensis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia)</i>	No	No	N/A
Sesame Seeds and Sesame Seed Derivatives	No	No	N/A
Milk and Milk Derivatives (including lactose)	Yes	Yes	Product contains
Egg and Egg Derivatives	No	No	N/A
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	No	N/A
Soya and Soya Derivatives	No	Yes(E322)	No
Lupin and Lupin Derivatives	No	No	N/A
Mustard and Mustard Derivatives	No	No	N/A
Celery or Celery Derivatives (including Celeriac)	No	No	N/A
Fish and Fish Derivatives	No	No	N/A
Molluscs and their Derivatives	No	No	N/A
Crustaceans and their Derivatives	No	No	N/A
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	No	N/A
Additives / Contaminants / Dietary Requirements / Intolerances	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	Where applicable, is there risk of cross-contamination? YES/NO or N/A
Additives / E Numbers	No	No	N/A
Antioxidants	No	No	N/A
Ethylene Oxide	No	No	N/A
Gelatine	No	No	N/A
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	N/A
Maize / Corn and any Derivatives	No	No	N/A
Legumes / Pulses	No	No	N/A
Rice and Rice Derivatives	No	No	N/A
Added Salt	No	No	N/A
Added Sugar / artificial or natural sweeteners	No	No	N/A
Aspartame	No	No	N/A
BHA / BHT (E320 / E321)	No	No	N/A
Caffeine	No	No	N/A
Colours (Artificial / Nature Identical / Natural / Smoked)	No	Yes	May contain trace amounts. Source is from same raw material (whey)
Dextrose	No	No	N/A
Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	Yes	No
Kiwi fruit	No	No	N/A
Polyols (sugar alcohols)	No	No	N/A
Grapefruit	No	No	N/A
Sorbic Acid (E200, E203)	No	No	N/A
Any other Preservatives	No	No	N/A
Ethanol	No	No	N/A
Honey	No	No	N/A
Lactose	Yes	Yes	Product contains
Yeast and Yeast Derivatives	No	No	N/A
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	Yes	Milk proteins and Lactose
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	Yes	Milk proteins and Lactose

Product Code: P23137

Version: 4

Page 4 of 7

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Statements

<p>Confirmation of BSE / TSE Status This is to certify that this product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.</p>	Yes
<p>This is also to certify that, during the course of their manufacture, the above-mentioned product did not come into contact with any materials, which could be derived from TSE/BSE risk materials.</p>	Yes
<p>Confirmation of GM Status This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under current regulations.</p>	Yes
<p>Confirmation of Non-Irradiation Status This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives.</p>	Yes
<p>Confirmation of Nandrolone Status This is to certify that this product, whole or in part, has not come into contact with Nandrolone or any of its precursors in any way.</p>	Yes
<p>Confirmation of IOC Product Status This is to certify that this product, whole or in part, has not come into contact with any product/s, which is banned by the IOC (International Olympics Committee) and or WADA.</p>	Yes
<p>Confirmation of Animal Testing Status This is to certify that all the products sold by Cambridge Commodities have not been tested on animals in any part of its manufacture in accordance with current regulations.</p>	Yes
<p>Confirmation of Pesticides Status This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.</p>	Yes
<p>Confirmation of Nanoparticles Status This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation, defines as follows: "Nanomaterial' means a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm".</p>	Yes
<p>Packaging Status We hereby certify that the packaging used in the above-mentioned material conforms to EU regulations and subsequent amendments on food grade packaging</p>	Yes
<p>Confirmation of PAH status This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations</p>	Yes

Product Code: P23137

Version: 4

Page 5 of 7

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Product Flow Chart

Whey Protein Concentrate



Pasteurization



Drying



Storage



Packaging



Distribution

CCP: Metal detection
Fe \geq 3,5mm
NoFe \geq 4,0mm
SS \geq 4,0mm



Material Safety Data Sheet

To download this product's material safety data sheet, please click [here](#) and search for the Cambridge Commodities product code. If there is no MSDS available, please follow the on-screen instructions to request one.



The Information provided in this document is subject to change and the batch specific certificate of analysis should always be referenced.

To be used as per local legislation.

Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Changed specifications for TVC from max 10,000cfu/g to max 100,000cfu/g and E. coli from negative in 25g to <10cfu/g. Added production flowchart.	Yes
3	Changed specifications for Yeasts & Moulds from max 50cfu/g to max 100cfu/g, To match supplier's specifications.	Yes
4	Updated protein assay 'min 91%' to 'min 90%', ash from 'max 3%' to 'max 4%', fat from 'max 0.6%' to 'max 1%', shelf life from 'min 2 years' to 'min 18 months', total viable count from 'max 100,000' to 'max 50,000', country and manufacture and origin from 'Europe' to 'Poland and UK'. Amended nutritional information, amino acid profile and product flow chart. Removed E. coli testing and added coliforms negative/1g. Confirmed that soya and seed derivatives are present at manufacturing site with no risk of cross contamination and trace amounts of colours may be present in the final product.	Yes

Document Approval

Originator	Approver
 <small>15/03/2022 11:00</small> C. Weston QC Administrator	 <small>15/03/2022 11:08</small> Ash Bean Quality Specialist

Product Code: P23137

Version: 4

Page 7 of 7

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