

## Product Technical Dossier

Product	Hydrolysed Whey Protein
CCL Product Code	P33114

### Specification Details

	Specification	Method
Appearance	Powder	Organoleptic
Colour	Creamy-White	Organoleptic
Aroma	Characteristic	Organoleptic
Flavour	Characteristic	Organoleptic
Protein (TN x 6.50*) (dry basis)	Min 79%	Kjeldahl
Total Nitrogen	Min 12.3%	Kjeldahl
Moisture	Max 6%	Oven
Fat	Max 8%	Rose Gottlieb
Ash	Max 7%	Furnace 550°C
Lactose	Max 6%	Calculated
pH	Min 7	10% Aq Soln
Bulk Density	~0.4g/ml	IDF134:1996
Scorched Particles	Disc B or better	ADPI Bulletin 916

### Microbiological Limits

Total Viable Count	Max 50,000cfu/g	ISO 4833:2003
Yeasts & Moulds	Max 1,000cfu/g	ISO 6611:2004
E. Coli	<10cfu/g	ISO 16649-2:2001
Coliforms	<10cfu/g	ISO 4832:2006
Salmonella	Negative/25g	ISO 6579:2002
Staph. aureus	<10cfu/g	ISO 6888:2003

### Heavy Metal Limits

Lead (Pb)	Max 3ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 0.1ppm
Arsenic (As)	Max 1ppm

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Registered in England No: 3590758 VAT No: GB 711 6598 32

Registered office: 203 Lancaster Way Business Park, Ely, Cambridgeshire, CB6 3NX, UK.

#### Additional Technical Information

Raw Material Full Botanical / Chemical Name	Whey Protein Hydrolysate
The material is Food Grade	Yes
Harvest Method	Manual / Mechanical
Country of Origin	Republic of Ireland
Country of Manufacture	Republic of Ireland
Solubility in Alcohol	Not Soluble
Solubility in Water	Soluble with agitation
Shelf Life from Date of Manufacture	Min 36 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
Hydrolysed Whey Protein	-	100%	Milk

#### Nutritional Data

Amino Acid Profile	Value per 100g
Leucine	9.39g
Isoleucine	5.21g
Valine	5.21g
Aspartic Acid	9.59g
Glutamic Acid	15.45g
Serine	4.74g
Glycine	1.65g
Histidine	1.60g
Arginine	2.35g
Threonine	6.49g
Alanine	4.34g
Proline	5.12g
Tyrosine	2.70g
Methionine	1.65g
Cystine	2.15g
Phenylalanine	2.85g
Lysine	8.23g
Tryptophan	1.27g

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Mineral Profile	Value per 100g
Calcium	200 - 650mg/100g
Sodium	485 – 800mg/100g
Potassium	750 – 1700mg/100g
Magnesium	30 – 80mg/100g
Phosphorous	260 – 500mg/100g
Chloride	<100mg/100g

Fatty Acid Profile	Value per 100g
Saturates	3.58g
Mono-unsaturates	1.2g
Polyunsaturates	<0.2g
Cholesterol	148mg

Carbohydrates	Value per 100g
Glucose	<0.10g
Sucrose	<0.10g
Energy	367 kcal / 1555 KJ
Fibre	Nil

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

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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.

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	
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	
Sesame Seeds and Sesame Seed Derivatives	NO	NO	
Milk and Milk Derivatives (including lactose)	YES	YES	This product is derived from milk
Egg and Egg Derivatives	NO	NO	
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	NO	NO	
Soya and Soya Derivatives	NO	YES	NO
Lupin and Lupin Derivatives	NO	NO	
Mustard and Mustard Derivatives	NO	NO	
Celery or Celery Derivatives (including Celeriac)	NO	NO	
Fish and Fish Derivatives	NO	NO	
Molluscs and their Derivatives	NO	NO	
Crustaceans and their Derivatives	NO	NO	
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	NO	NO	

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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	YES	NO
Antioxidants	NO	NO	
Ethylene Oxide	NO	NO	
Gelatine	NO	NO	
Flavourings (Artificial / Nature Identical / Natural / Smoked)	NO	YES	NO
Maize / Corn and any Derivatives	NO	NO	
Legumes / Pulses	NO	NO	
Rice and Rice Derivatives	NO	NO	
Added Salt	NO	YES	NO
Added Sugar / artificial or natural sweeteners	NO	YES	NO
Aspartame	NO	YES	NO
BHA / BHT (E320 / E321)	NO	NO	
Caffeine	NO	YES	NO
Colours (Artificial / Nature Identical / Natural / Smoked)	NO	YES	NO
Dextrose	NO	NO	
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	NO	NO	
Kiwi fruit	NO	NO	
Polyols (sugar alcohols)	NO	YES	NO
grape fruit	NO	NO	
Sorbic Acid (E200, E203)	NO	NO	
Any other Preservatives	NO	NO	
Ethanol	NO	YES	NO
Honey	NO	NO	
Lactose	YES	YES	YES
Yeast and Yeast Derivatives	NO	NO	
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	YES	YES	This product is derived from milk
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	YES	YES	This product is derived from milk



## Statements

<b>Confirmation of BSE / TSE Status</b> 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.	YES
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.	YES
<b>Confirmation of GM Status</b> This is to certify that this product is not manufactured from GM raw materials and is therefore not subject to labelling under current regulations.	YES
<b>Confirmation of Non-Irradiation Status</b> This is to certify that this product, whole or in part, has not been subjected to Ionising Radiation as per European Directives.	YES
<b>Confirmation of Nandrolone Status</b> 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.	YES
<b>Confirmation of IOC Product Status</b> 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.	YES
<b>Confirmation of Animal Testing Status</b> 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.	YES
<b>Confirmation of Pesticides Status</b> This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.	YES
<b>Confirmation of Nanoparticles Status</b> 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".	YES
<b>Packaging Status</b> We hereby certify that the packaging used in the above-mentioned material conforms to EU regulations and subsequent amendments on food grade packaging	YES

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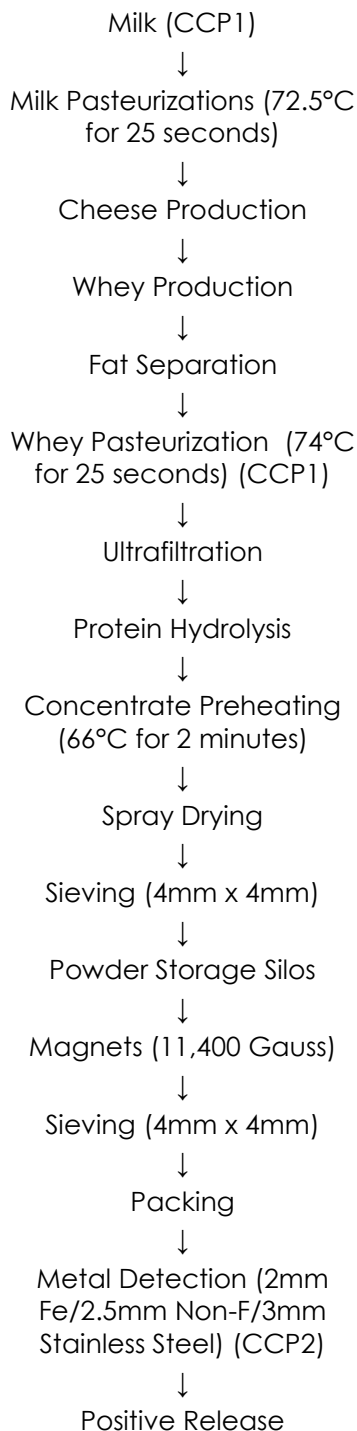
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## Product Flow Chart



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## 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

### Document Approval

Originator	Approver

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