

Product Technical Dossier

Product	Whey Protein Concentrate 80% Instant (American)
CCL Product Code	P10660

Specification Details

Identification	Specification
Assay	Positive
Appearance	Protein (N x 6.38) % (d.b.) Min 80%
Colour	Protein (N x 6.38) % (as-is) Min 76.5%
Aroma	Powder
Flavour	White to Cream
	Characteristic
	Characteristic
Moisture	Max 6.5%
Ash	Max 4%
Bulk Density	0.28 - 0.34
pH (10% Solids)	6 – 6.8
Fat	Max 9%
Degree of Hydrolysis	2 – 6
Scorched Particles	Max 15.0mg/25 g

Microbiological Limits

Total Viable Count	Max 30,000cfu/g
Yeasts	Max 100cfu/g
Moulds	Max 100cfu/g
E. Coli	<10cfu/g
Salmonella	Negative/25g
Staphylococcus aureus	<10cfu/g
Coliforms	<10cfu/g

Heavy Metal Limits

Lead (Pb)	Max 0.02ppm
Cadmium (Cd)	Max 0.02ppm
Mercury (Hg)	Max 0.01ppm
Arsenic (As)	Max 0.02ppm

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FDA number: 16806073982

+44 (0) 1353 667258 | www.c-c-l.com | info@c-c-l.com

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 Concentrate 80% Instant (American)
The material is Food Grade	Yes
Country of Origin	US
Country of Manufacture	US
CAS Number	Whey Protein 91082-88-1 Sunflower Lecithin 8004-43-5
Shelf Life from Date of Manufacture	Min 2 Years
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 Concentrate	Emulsifier	99	Bovine, Milk
Sunflower Lecithin	Binder	1	Sunflower Seeds

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	1682 / 402
Fat (g)	8.5
-Of which Saturates (g)	5
-Trans Fat (g)	<0.5
Carbohydrate (g)	3.4
-Of which Sugars (g)	3.4
Protein As-Is (N x 6.38) (g)	76.4
Salt (g)	0.5
Potassium (mg)	420

Test	Value per 100g
Vitamin A (IU)	212
Vitamin B (mg)	<2
Vitamin C (IU)	<20
Iron (mg)	0.9
Calcium (mg)	540
Phosphorus (mg)	430
Magnesium (mg)	64

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Amino Acid Profile

Test	Value per 100g of product
Alanine (mg)	3762
Arginine (mg)	2086
Aspartic Acid (mg)	7909
Cysteine (mg)	1584
Glutamic Acid (mg)	13392
Glycine (mg)	1381
Histidine (mg)	1340
Isoleucine (mg)	4317
Leucine (mg)	8136
Lysine (mg)	7140
Methionine (mg)	1725
Phenylalanine (mg)	2631
Proline (mg)	4362
Serine (mg)	3823
Threonine (mg)	5232
Tryptophan (mg)	1260
Tyrosine (mg)	2191
Valine (mg)	4398

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.

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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	Ingredient
Egg and Egg Derivatives	No	No	N/A
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten (wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)	No	No	N/A
Soya and Soya Derivatives	Yes	Yes	Ingredient
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	Yes	Yes	Lecithin from sunflower
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	No	N/A
Dextrose	No	No	N/A
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	Yes	Yes	Lecithin from sunflower seeds
Kiwi fruit	No	No	N/A
Polyols (sugar alcohols)	No	No	N/A
grape fruit	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	Ingredient
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.)	No	No	N/A
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	Yes	Bovine, Milk

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Statements

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.	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
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.	Yes
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.	Yes
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.	Yes
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.	Yes
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.	Yes
Confirmation of Pesticides Status This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.	Yes
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".	Yes
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	Yes

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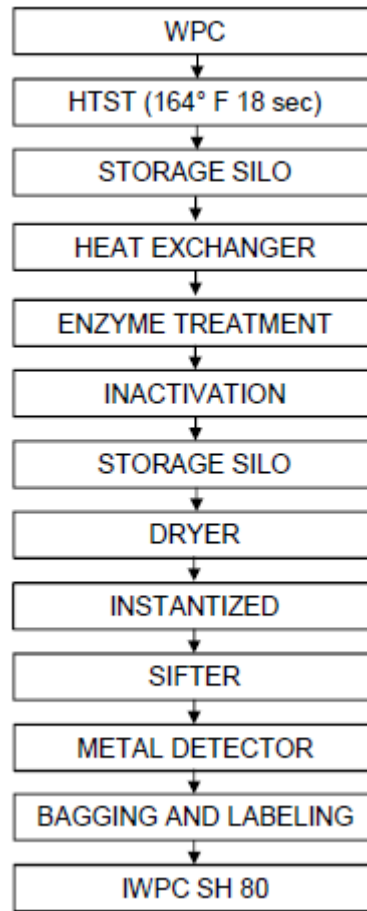
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Product Flow Chart



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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
2	Changed colour specification from 'white' to 'white to cream'	Yes

Document Approval

Originator	Approver
 <small>X</small> 26/06/2019 17:00 - DocsVault Ash Bean QC Team Leader	 <small>X</small> 27/06/2019 08:49 - DocsVault Julia Otto Quality Specialist

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