

## Product Technical Dossier

Product	Psyllium Husks - Coarse/Whole (min 95%) (Steam Sterilised)
CCL Product Code	P11991

### Specification Details

	Specification
Identification	A-Mounted in cresol-cells viewed microscopically are composed of polygonal prismatic cells having 4 to 6 straight or slightly wavy walls B-Mounted in alcohol and irrigated with water-viewed microscopically, the mucilage in the outer part of the epidermal cells swells rapidly and goes into solution.
Appearance	Whole husks Powder
Colour	Beige/Grey
Aroma	Characteristic
Flavour	Characteristic

Sieve Analysis % passed	Min 90% pass through 20 Mesh
Loss on Drying	Max 12%
Ash	Max 4%
Acid Insoluble Ash	Max 1%
Bulk Density	Min 0.30g/ml
Tapped Density	Min 0.35g/ml
Light Extraneous Matter	Max 5%
Insect fragments	Max 400 Parts/25g
Swell Volume	Min 40ml/gm

### Microbiological Limits

Total Viable Count	Max 500,000cfu/g
Yeasts & Moulds	Max 10,000cfu/g
E. Coli	Max 10 cfu/g
Salmonella	Absent/25g

### Heavy Metal Limits

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

### Additional Technical Information

Raw Material Full Botanical / Chemical Name	Plantago ovata
Part Used	Seeds
The material is Food Grade	Yes
Country of Origin	India
Country of Manufacture	India
Solubility in Alcohol	Insoluble
Solubility in Water	Insoluble
Shelf Life from Date of Manufacture	Min 2 Years
Pharmacopeia Standard Used	USP
Suitable for Vegetarians?	Yes
Suitable for Vegans?	Yes
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
Psyllium Husk Powder	Active	100%	Seeds of the Plantago ovata

### Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	782kJ / 187kcal
Fat (g)	0.5g
-Of which Saturates (g)	-
Carbohydrate (g)	4g
-Of which Sugars (g)	-
Dietary Fibre	78g
Soluble Dietary Fibre	47g
Insoluble Dietary Fibre	31g
Protein (g)	2.5g
Salt (g)	0.325g

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.



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	Yes	No	This material may contain sesame due to growing in the same fields
Milk and Milk Derivatives (including lactose)	No	No	N/A
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	No	N/A
Lupin and Lupin Derivatives	No	No	N/A
Mustard and Mustard Derivatives	Yes	No	This material may contain mustard due to growing in the same fields
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	No	N/A
Dextrose	No	No	N/A
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	Yes	Yes	Product originates from seeds of Plantago ovata
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	No	No	N/A
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



FDA number: 16806073082

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Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A
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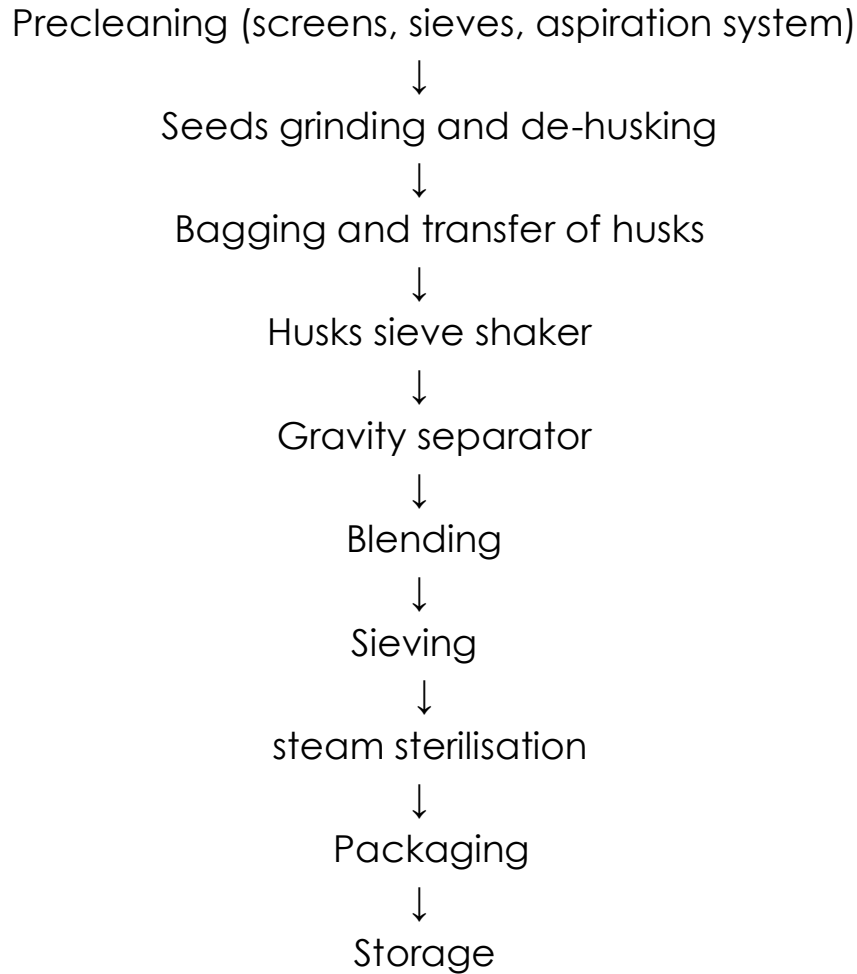
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Statements

<p><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.</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><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.</p>	Yes
<p><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.</p>	Yes
<p><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.</p>	Yes
<p><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.</p>	Yes
<p><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.</p>	Yes
<p><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.</p>	Yes
<p><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".</p>	Yes
<p><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</p>	Yes
<p><b>Confirmation of PAH status</b>          This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations</p>	Yes



Product Flow Chart



## 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.

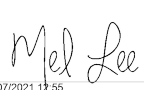
The Information provided in this document is subject to change and the batch specific certificate of analysis should always be referenced.

To be used as per local legislation.

### Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Amended the additive table due to a clerical error	Yes
3	<p>Changed appearance from Powder to Whole husks Powder, Colour from Pale to Medium Buff with Slight Pinkish Tinge to Beige/Grey, Sieve Analysis from 95% through a 35 mesh to Min 90% pass through 20 Mesh, Bulk Density from ~0.5g/ml to Min 0.30g/ml, Tapped Density from ~0.65g/ml to Min 0.35g/ml, Salmonella from Absent/10g to Absent/25g</p> <p>Added Acid Insoluble Ash Max 1%, Light Extraneous Matter Max 5%, Insect fragments Max 400 Parts/25g</p> <p>Removed Purity Min 95%</p> <p>General Reformat</p>	Yes

### Document Approval

Originator	Approver
 Mel Lee Quality Administrator	 Casey White Senior Quality Specialist

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