Product Technical Dossier

Product	Konjac Glucomannan 95% (E425ii), SO_2< 4ppm
CCL Product Code	P34146

Specification Details

	Specification
Identification	Positive
Assay (Dry Basis)	total dietary fibre Min 95%
Appearance	Fine Powder
Colour	Off White to Beige with Black Spots
Aroma	Characteristic
Flavour	Characteristic
Sieve Analysis % passed	Min 95% pass 60-100 mesh
Loss on Drying	Max 8%
Ash	Max 2%
pH	5-7
Bulk Density	Min 0.8g/ml
Viscosity	Min 30,000 mpa.s
Sulphite (SO_2)	Max 4mg/kg
Chloride	Max 0.02%
50% Alcohol-soluble	Max 2%
Ether-soluble	Max 5%
Starch	Max 1%
Protein	Max 1.5%

Microbiological Limits

Total Viable Count	Max 10,000cfu/g
Yeasts & Moulds	Max 100cfu/g
E. Coli	Negative/5g
Salmonella	Negative/12.5g

Heavy Metal Limits

Total Heavy metals	Max 20ppm
Lead (Pb)	Max 1ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 0.1ppm
Arsenic (As)	Max 1ppm

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Additional Technical Information

Raw Material Full Botanical / Chemical Name	*Amorphophallus konjac*
Part Used	Tubers
The material is Food Grade	Yes
Solvent used	Ethanol & Water
Solubility	Dispersible In hot or cold water
Country of Origin	China
Country of Manufacture	China
Molecular weight	500,000 to 2,000,000 Daltons
Shelf Life	Min 2 Years
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
Konjac Glucomannan E 425 (ii)	-	100%	Tubers of the *Amorphophallus konjac*

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	806kJ/201kcal
Fat (g)	<0.01g
-Of which Saturates (g)	<0.01g
Carbohydrate (g)	4.1g
-Of which Sugars (g)	<0.01g
Fibre (g)	≥95.0g
Protein (g)	<1.5g
Salt (g)	0g

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 *Almond (Amygdalus communis L.), Hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew (Anacardium occidentale), Pecan nut (Carya illinoiesis (Wangenh.) K. Koch), Brazil nut (Bertholletia excelsa), Pistachio nut (Pistacia vera), Macadamia nut and Queensland nut (Macadamia ternifolia)*	NO	NO	N/A
Sesame Seeds and Sesame Seed Derivatives	NO	NO	N/A
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 *(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)*	NO	NO	N/A
Soya and Soya Derivatives	NO	NO	N/A
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	YES	The limit is <4mg/kg

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	E 425 (ii)
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)	NO	NO	N/A
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	Yes	Yes	used as solvent, residual solvent complies with EU regulations
Honey	NO	NO	N/A
Lactose	NO	NO	N/A

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Yeast and Yeast Derivatives	NO	NO	N/A
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (whichmay include growth/yield hormones, antibiotics etc.)	NO	NO	N/A
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	NO	NO	N/A

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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
Confirmation of PAH status This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations	Yes

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Product Flow Chart

Konjac tuber
↓
Cut
↓
Clean
↓
Dry
↓
Purify
↓
Homogenous
↓
Konjac fine flour
↓
Dip in alcohol solution
↓
Centrifuge separate
↓
Vacuum drying
↓
Desiccate
↓
Griddle
↓
Homogenous
↓
Magnetic separation
↓
Metal detection
↓
Weight
↓
Pack

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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	Also purchased from Europe. Modified TVC max limit to 10,000cfu to fall in line with 5.1.4 of the EP. Increased mesh size range to 120.	Yes
3	Updated Loss of drying (from 10% to 8%) and Lead (from 3 to 1ppm) according to Commission Regulation (EU) No 231/2012	Yes
4	Addition of Nutritional Information from Supplier	No
5	Changed source from rhizomes to tubers to correct clerical error.	No
6	Amended version number in footer to correct clerical error.	No
7	Changed Bulk Density value from 0.30 – 0.55g/mL to approx. 0.8g/mL	Yes
8	Removed statement confirming the product conforms to the European Pharmacopeia, as there is no EP monograph for this material. Updated allergens and additives tables.	Yes
9	General reformat. Added supplementary technical information. Removed bulk density and Staphylococcus. Updated flowchart. Changed: • Mesh from Min 95% pass 60-120 mesh to Min 95% pass 60-100 mesh • Colour from white to off white to off white to beige powder with black spots • Country of origin and manufacture from China or Europe to China	Yes
10	Added Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre information as it is present on the site and the limit is <4mg/kg.	Yes

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11	Added Bulk Density Min 0.8g/ml, Total dietary fibre to Assay & Shelf-life Min 2 Years Changed botanical source & botanical name from Amorphophalli konjac to Amorphophallus konjac & Ethanol in Additives table to "Yes" contains, "Yes" on site and risk of contamination to "used as solvent, residual solvent complies with EU regulations"	Yes
12	Added Solubility Dispersible in hot or cold water, Ether-soluble material max 0,5 %. Updated Additive table as per contains additive as the product is E 425 (ii)	Yes

Document Approval

Originator	Approver
Alina Zam QC technician 22/08/2022 11:25	Cecilia Anzani Senior Quality Specialist 22/08/2022 11:33

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