

Product Technical Dossier

Product	Guar Gum 200 Mesh 3,500 Cps
CCL Product Code	P0737

Specification Details

	Specification
Assay	Protein Max 6% Gum content Min 80%
Appearance	Powder
Colour	White/Off-White – Yellow/White
Aroma	Characteristic
Flavour	Characteristic
Particle size	Min 99% Pass 100 Mesh Min 90% Pass 200 Mesh
Moisture	Max 12%
Ash	Max 1%
Acid Insoluble	Max 3%
pH	5.5 – 7.0
Viscosity - 1% soul Brookfield RVT, 20 RPM@ 25 C, Spindale No 4	In 2hrs Min 3500 Cps In 24hrs Min 3500 Cps
Organic Peroxide	Max 0.7meq/Kg
Furfural	Max 1 mg/Kg

Microbiological Limits

Total Viable Count	Max 5,000cfu/g
Yeasts & Moulds	Max 500cfu/g
E. Coli	Negative/g
Salmonella	Negative/25g
Coliform	Negative/g

Heavy Metal Limits

Total Heavy metals	Max 10ppm
Lead (Pb)	Max 2ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 1ppm
Arsenic (As)	Max 3ppm



Additional Technical Information

Raw Material Full Botanical / Chemical Name	Legume of <i>Cyamopsis tetragonolobus</i> , E412
Part Used	Seed Endosperm of <i>Cyamopsis tetragonolobus</i>
The material is Food Grade	Yes
Extraction/Processing Used	Wet Grinding
Country of Origin	India
Country of Manufacture	India
Solubility in Alcohol	Not Soluble
Solubility in Water	Cold Water Soluble
CAS Number	9000-30-0
Shelf Life from Date of Manufacture	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
Guar Gum	-	100%	A gum obtained from the ground endosperms of <i>Cyamopsis tetragonolobus</i> (Linne) Taub. (Fam. Leguminosae). It consists chiefly of a high molecular weight hydrocolloidal polysaccharides, composed of galactose and mannose units combined through glycosidic linkages, which may be described chemically as a galactomannan.

Nutritional Data*

Test	Value per 100g
Energy kJ / Kcal	815kJ / 195kcal
Fat (g)	0.5g
-Of which Saturates (g)	0.2g
Carbohydrate (g)	1.2g
-Of which Sugars (g)	<0.5g
Fibre (g)	86g
Protein (g)	3.7g
Salt (g)	0.022g

*This data has been calculated based on theoretical data and not through analysis. The information above is for information only and should not be used to make label claims.



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)	No	No	N/A
Egg and Egg Derivatives	No	No	N/A
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, furo, 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	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	Additive Number E412
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
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	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
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A



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 Flow Chart

Take Guar Gum Splits



Clean



Add Hot Water



Grind Guar Gum Splits to Make Powder



Remove Moisture from Powder



Sieve



Store



Mix



Pack



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	Updated to new format	No
3	Correction of nutritional data. Amended 'free from' to 'does not contain'. Updated format	No
4	Added production flowchart General reformat Changed the following specifications: - pH from 5.5 – 6.5 to 5.5 – 7.5 - Protein from max 5.5% to max 6% - Galactomannan from 82 – 85% to 80% - 85% - Sieve analysis from min 95% pass 200 mesh to min 90% pass 200 mesh	Yes
5	Added Additional Technical Information Changed Assay for Galactomannan 80 – 85% to Gum Content Min 80%, pH from 5.5-7.5 to 5.5 – 7.0, Viscosity from In 24hrs 4000 cps Minimum to In 24hrs Min 3500 Cps, Total Viable Count from Max 10,000cfu/g to Max 5,000cfu/g, Total Heavy Metals from Max 20ppm to Max 10ppm & Lead from Max 5ppm to Max 2ppm	Yes

Document Approval

Originator	Approver
 Alan Feetham QC Technician <small>21/09/2023 15:48</small>	 Shannon McKenna Assistant Quality Manager <small>22/09/2023 11:43</small>