

Product Technical Dossier

Product	Fenugreek Extract 4:1
CCL Product Code	P06022

Specification Details

	Specification
Identification (TLC)	Positive
Assay (UV)	Min 20% Saponins
Appearance	Free Flowing Fine Powder
Colour	Light Yellow to Greenish Yellow to Brown (**)
Aroma	Characteristic
Flavour	Characteristic

(**) Please note the colour of this natural material could be subject to slight change due to many factors such as seasonal variations.

Sieve Analysis % passed	Min 98% Pass 40 Mesh
Loss on Drying	Max 5%
Ash	Max 10%
Bulk Density	0.30~0.60g/ml
Tapped Density	0.45~0.90g/ml

Microbiological Limits

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

Heavy Metal Limits

Total Heavy Metals	Max 10ppm
Lead (Pb)	Max 2ppm
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	<i>Trigonella foenum graecum</i>
Part Used	Seeds
The material is Food Grade	Yes
Ratio of Material	4:1
Solvent used	Ethanol & Water (70:30)
Country of Origin	China
Country of Manufacture	China
Shelf Life from Date of Manufacture	Min 3 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
Fenugreek Extract	Main ingredient	Approximately 85%	Seeds of <i>Trigonella foenum graecum</i>
Maltodextrin	Carrier	Approximately 15%	Corn

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, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	No	N/A
Soya and Soya Derivatives	No	Yes	No, Not handled on the same line
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	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	Yes	Yes	Maltodextrin from Corn
Legumes / Pulses	Yes	Yes	Fenugreek is a legume plant
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	Fenugreek seeds
Fruits (Kiwi fruit, orange, banana, apple, peach)	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 in Extraction
Honey	No	No	N/A
Lactose	No	No	N/A
Yeast and Yeast Derivatives	No	Yes	No, not handled on the same line

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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
Matsutake mushroom and Derivatives	No	No	N/A
Yam and Derivatives	No	No	N/A
Buckwheat and Derivatives	No	No	N/A
Palm Oil and Derivatives	No	No	N/A
Coconut and Derivatives	No	No	N/A

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Compliance Statements

<p>Confirmation of BSE / TSE Status 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>Confirmation of GM Status 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 product, whole or in part, has not been subjected to Ionising Radiation as per European Directives.</p>	Yes
<p>Confirmation of IOC Product Status This product, whole or in part, has not come into contact with any product which is banned by the IOC (International Olympics Committee) and/or WADA.</p>	Yes
<p>Confirmation of Animal Testing Status This product has not been tested on animals in any part of its manufacture in accordance with current regulations.</p>	Yes
<p>Confirmation of Pesticides Status This product complies with the EU max residue limits (MRLs) on pesticides.</p>	Yes
<p>Confirmation of Nanomaterial Status This product does not contain nanomaterials as per relevant EU regulations.</p>	Yes
<p>Confirmation of Food Grade Packaging The packaging used in this product conforms to EU regulations and subsequent amendments on food grade packaging</p>	Yes
<p>Confirmation of Pyrrolizidine Alkaloids (PA) status This product complies with the PA limit set by the EU regulations</p>	Yes
<p>Confirmation of Contaminants status This product complies with Commission Regulation (EC) No 1881/2006 wherever applicable</p>	Yes

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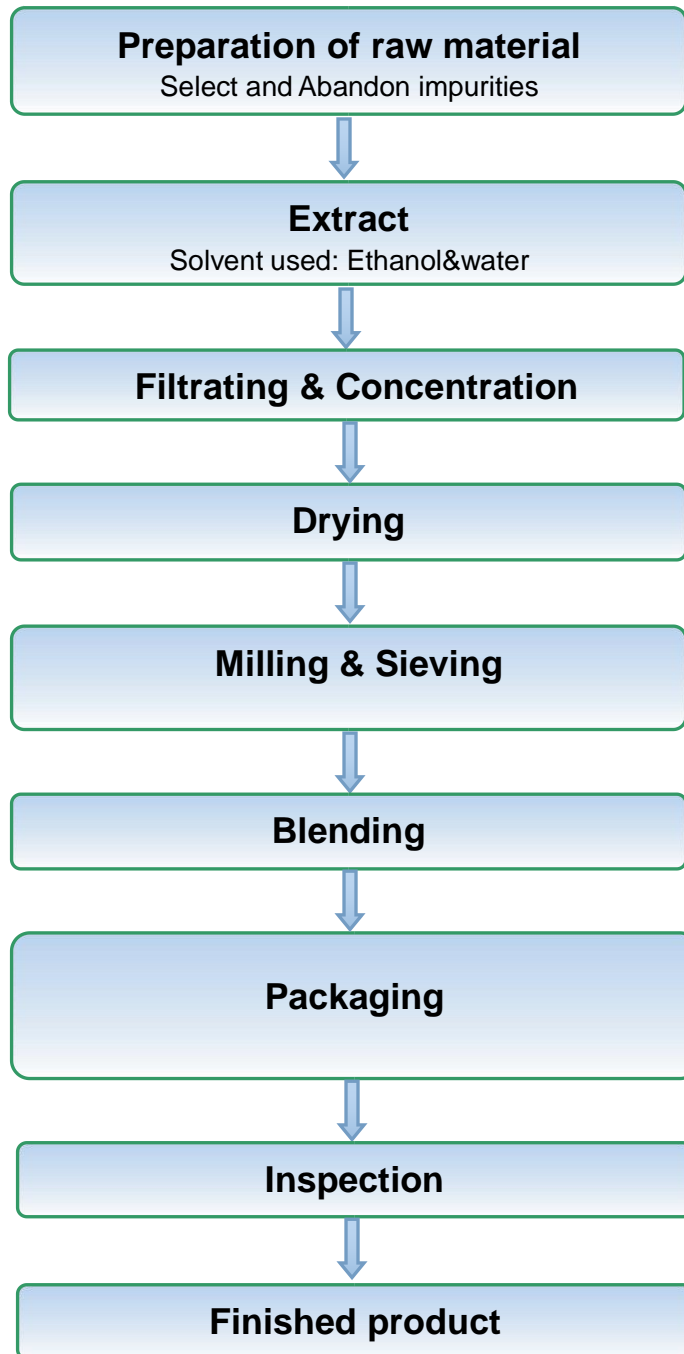
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Product Flow Chart



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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	Format updated. MSDS removed- now available on request.	No
3	Added Supplementary Technical information. Changed sieve analysis from 100% Pass 40 Mesh to Min 98% Pass 40 Mesh. Pharmacopeia standard changed from IP to EP. Lead (Pb) Changed from Max 3ppm to Max 2ppm. Shelf life Changed from 3 Years to Min 3 Years.	Yes
4	Updated Production flow chart & Composition table for % of Fenugreek Seeds & Maltodextrin Removed pH specification Changed solvent used from Methanol 100% to Ethanol & Water (70:30)/100% methanol & Ethanol in Additives table to "Yes" Product contains, "Yes" Listed on site and Risk of contamination to "Used in Extraction" E-Coli from Negative/25g to Negative/g & Staphylococcus from Negative/25g to Negative/g Added China to Country of Origin & Country of Manufacture	Yes



5	<p>Added Additional Supplementary Technical Information</p> <p>Changed Assay method from "Gravimetric" to "UV", Bulk Density from "0.4-0.6g/ml" to "0.30~0.60g/ml", E-Coli from Negative/g to Negative/10g, Staphylococcus aureus from Negative/g to Negative/10g & Country of Origin/Manufacture from India/China to just China. Removed methanol from solvents used</p> <p>Updated Product Flow Chart & Compliance Statements</p> <p>In Allergens table changed Soya and Soya Derivatives to state "No" product contains, "Yes" listed on site and "No" for risk of cross-contamination, & in Additives Table for Legumes / Pulses changed to "Yes" product contains as Fenugreek is a legume plant & Yeast and Yeast Derivatives to state "No" item contains "Yes" listed on site & "No" for risk of cross contamination</p>	Yes
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Document Approval

Originator	Approver
 Mel Lee Quality Administrator	 C White Senior Quality Specialist

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