

PRODUCT TECHNICAL DOSSIER

ORGANIC FENNEL POWDER

Product Code:

P02286

Raw Material Full Name:

Organic Fennel Powder

Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms:

Foeniculum vulgare

This material is Food Grade:

Food grade

Vegan / Vegetarian Status:

Suitable for both

Ratio of Material:

1:1

Solubility in Water:

Insoluble in water

Solubility in Alcohol:

Slightly soluble in Alcohol

Particle Size:

40 Mesh

Percentage passed through:

Not less than 95%

Tapped Density:

Between 0.30 g/ml and 0.60 g/ml

Loss on Drying:

Not more than 10%

Country of Origin:

India



Country of Origin of the Manufacture:

India

Base Source/Start Material:

Seeds of the *Foeniculum vulgare*

Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:

Plant

Material is:

100%

Shelf Life from Date of Manufacture:

Minimum 3 years

Storage Conditions:

Store in a well closed container away from moisture and direct sunlight.

Appearance (Fine/Crystals/Crystalline/Hygroscopic):

Fine Powder

Colour:

Brown coloured powder with greenish tinge

Flavour/Taste:

Characteristics

Odour:

Characteristics

Do any of the parameters change in different seasons?

Yes, colour may change due to factors such as geographical and seasonal variation.



Microbiological Test

Total Viable Count:

Not more than 100,000cfu/g

Yeast & Moulds:

Not more than 1,000cfu/g

E.Coli:

Negative/10g

Salmonella:

Negative/10g

Heavy Metals

Lead (Pb):

Not more than 3ppm

Cadmium (Cd):

Not more than 1ppm

Mercury (Hg):

Not more than 0.1ppm

Arsenic (As):

Not more than 1ppm

There are no nuts in this recipe; however we cannot guarantee that the raw materials entering the site are nut free.

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.



ALLERGENS	Product Free From YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Free from Peanuts and Peanut Derivatives (including possible cross contamination)	Yes	No	
Free from other Nut and Nut Derivatives <i>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)</i>	Yes	No	
Free from Sesame Seeds and Sesame Seed Derivatives	Yes	No	
Free from other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	Yes	No	
Free from Milk and Milk Derivatives (including lactose)	Yes	No	
Free from Egg and Egg Derivatives	Yes	No	
Free from Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten (<i>wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass</i>)	Yes	No	
Free from Soya and Soya Derivatives	Yes	No	
Free from Lupin and Lupin Derivatives	Yes	No	
Free from Mustard and Mustard Derivatives	Yes	No	
Free from Celery or Celery Derivatives (including Celeriac)	Yes	No	
Free from Fish and Fish Derivatives	Yes	No	
Free from Molluscs and their Derivatives	Yes	No	
Free from Crustaceans and their Derivatives	Yes	No	
Free from Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	Yes	No	



ADDITIVES / CONTAMINANTS / DIETARY REQUIREMENTS	Product Free From YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Free from Additives	Yes	No	
Free from Antioxidants	Yes	No	
Free from Ethylene Oxide	Yes	No	
Free from Gelatine	Yes	No	
Free from Flavourings (Artificial / Nature Identical / Natural / Smoked)	Yes	No	
Free from Maize / Corn and any Derivatives	Yes	No	
Free from Legumes / Pulses	Yes	No	
Free from Rice and Rice Derivatives	Yes	No	
Free from Added Salt	Yes	No	
Free from Added Sugar / artificial or natural sweeteners	Yes	No	
Free from Aspartame	Yes	No	
Free from BHA / BHT (E320 / E321)	Yes	No	
Free from Caffeine	Yes	No	
Free from Colours (Artificial / Nature Identical / Natural / Smoked)	Yes	No	
Free from Dextrose	Yes	No	
Free from Dioxins	Yes	No	
Free from MSG (Added and Naturally Occurring E621) or Glutamates (E620 to E625)	Yes	No	
Free from Nucleotides (E627, E630, E631, E635)	Yes	No	
Free from Polyols (sugar alcohols)	Yes	No	
Free from Benzoates (E210 / E219)	Yes	No	
Free from Sorbic Acid (E200, E203)	Yes	No	
Free from any other Preservatives	Yes	No	
Free from Ethanol	Yes	No	
Free from Honey	Yes	No	
Free from Lactose	Yes	No	
Free from Yeast and Yeast Derivatives	Yes	No	
Free from All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	No	
Free from Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	No	

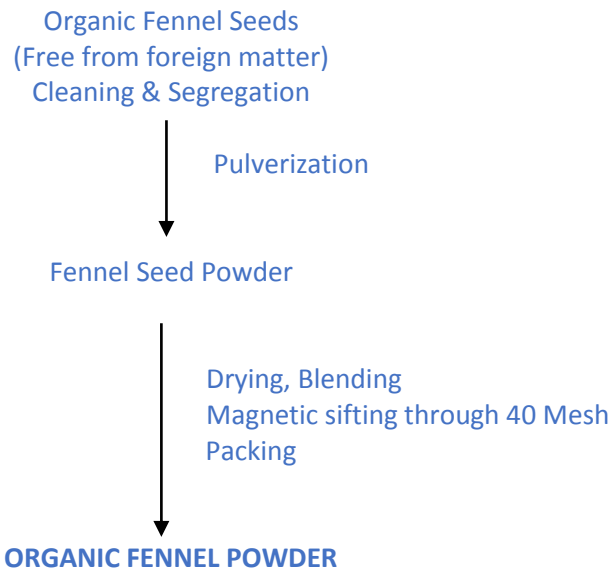


NUTRITIONAL DATA

Test	Calculated Value per 100gm
Energy Kcal/100gm	345
Energy KJ/100mg	1443.48
Fat/100gm	14.87 g
Fibre/100gm	39.80 g
Protein/100gm	15.80 g
Sodium/100gm	88 mg
Minerals/100gm	Calcium – 1196 mg Copper – 1.067 mg Iron – 18.54 mg Magnesium – 385 mg Manganese – 6.533 mg Phosphorus – 487 mg Zinc – 3.70 mg



PRODUCTION FLOW CHART



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.

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.

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 regulations 1829/2003/EC and 1830/2003/EC.

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 1999/3/EC.

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.

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.

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 regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23rd February 2005 and commission Regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.

CONFIRMATION OF NANOPARTICLE STATUS

This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation 2011/696/EU, 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".



MATERIAL SAFETY DATA SHEET

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product name: Organic Fennel Powder
 Synonym: *Foeniculum vulgare*
 Company: Cambridge Commodities Limited
 Lancaster Way, Ely, Cambridgeshire, CB6 3NX
 Tel: 01353 667258. Email: qa@c-c-l.com

Section 2 Hazards Identification

No hazardous reactions

Section 3 Composition/Information on Ingredients

Material is 100% Organic Fennel Powder

Section 4 Emergency and First Aid Measures

Inhalation	Not Dangerous
Contact with Skin	Wash thoroughly with water and soap
Contact with Eyes	Wash with copious quantities of water Consult an oculist
Ingestion	Rinse mouth and obtain medical attention

Section 5 Fire-fighting measures

Handling	Water, carbon dioxide, water spray, dry Chemical powder and appropriate foam prohibited
Specific Hazards	Material emits toxic fumes on combustion
Special protective equipment	Wear self-Contained breathing apparatus Protective clothing to prevent contact with skin and eyes.



Section 6 Accidental Release Measures

In case of material is released or spilled

1. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
2. Cover with absorbents and complete pick up material. Absorbents: Sand, saw dust, dry lime, soda ash.
3. Keep in a closed container for waste disposal
4. Ventilate area and wash spill site after material pick up is complete. Evacuate area.

Section 7 Handling and Storage

Indications for protection against fire and explosion:

1. Keep away from ignition source
2. No smoking

Storage condition:

1. Store at room temperature (15 to 25°C)
2. Not to be stored with oxidizing agents
3. Incompatible material: ND

Section 8 Exposure Controls/Personal Protection

Eyes total protective glasses

Wash contaminated cloth before reuse

Discard contaminated shoes

Wash thoroughly after handling

Do not breathe vapour

Compatible chemical resistant gloves

When opening the container outside in open areas wear approved dust mask and in poorly ventilated areas wear NIOSH/MSHA approved respirator.

Section 9 Physical and Chemical Properties

Appearance

Fine Powder

Colour

Brown coloured powder with greenish tinge

Odour

Characteristic

Solubility in water

Insoluble in water

Solubility other

Slightly soluble in alcohol



Section 10 Stability and Reactivity

Stability	Product is stable from safety point of view
Incompatibility	Strong oxidizing agents
Hazardous combustion or Decomposition product	Carbon monoxide and carbon dioxide, Sulphur dioxide
Hazardous polymerization	Will not occur

Section 11 Toxicological Information

Index of primary cutaneous irritation	Not Irritant
Index of ocular irritation	Not Irritant

Section 12 Ecological Information

Mobility	Free flowing
Degradability	Not established
Accumulation and bio magnifications	No known adverse bioaccumulation
Short and long term effect of Eco toxicity	No known ecological effect

Section 13 Disposal Considerations

Product and waste	can be eliminated as a non-hazardous industrial waste according to local regulations and federal law concerning waste elimination
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Section 14 Transport Information

Transport information	As per IATA regulation (Non Regulated)
Additional information	Not available

Section 15 Regulatory Information

European information S26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice
	S36/37/38: Wear suitable protective clothing, gloves and eye face protection



Section 16 Other Information

This advice is given by Cambridge Commodities Ltd who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterised or unknown.

This 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.

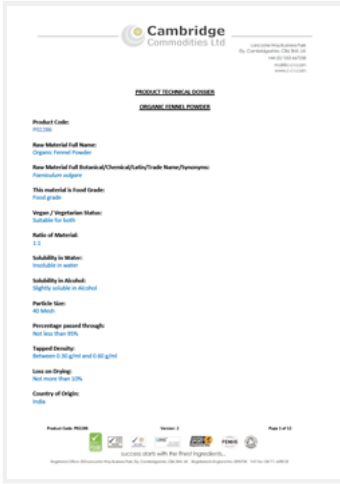
Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Bulk density and Residue on ignition specifications removed.	Yes

Document Approval

Originator Job Title	QC Technician	Approver Job Title	Assistant Quality Manager
<i>Emma Dane</i> Emma Dane (Nov 23, 2017)		<i>Richard Cecil</i>	





P02286 - Organic Fennel Powder - Technical Dossier

Adobe Sign Document History

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