

# **PRODUCT TECHNICAL DOSSIER**

# **TESTOFEN**

Product Code: P32796
Raw Material Full Name: Fenugreek Extract Powder
Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms: Trigonella Foenum Graecum Extract Powder
This material is Food Grade:  ✓
Vegan / Vegetarian Status:
Limit/Range/Specification: Min 50% Saponins
Ratio of Material: 33:1
Solubility in Water: Soluble
Solubility in Alcohol: Soluble
Particle Size: 40 Mesh
Percentage passed through: 100%
Tapped Density: 0.45g/cc
Loss on Drying: Max 5%

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Country of Origin:	igin:
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India

**Country of Origin of the Manufacture:** 

India

**Base Source/Start Material:** 

Seeds of the Trigonella Foenum Graecum

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

**Plant** 

Plant:

Fenugreek

Solvents used:

70% Ethanol/50% Water

What is the extraction/processing used? What solvents are used and at what ratio's?

**Hydro Alcohol Extraction** 

Material is:

100%

**Compound Ingredients Origin, Function and Percentages:** 

None

**Shelf Life from Date of Manufacture:** 

Min 2 Years

**Storage Conditions:** 

Store in a cool, dry place. Keep tightly sealed.

Appearance (Fine/Crystals/Crystalline/Hygroscopic):

Powder

**Colour:** 

Green (\*\*)

Flavour/Taste:

Characteristic

Odour:

Characteristic

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# Do any of the parameters change in different seasons?

**Microbiological Test** 

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

Max 3,000cfu/g
Yeast & Moulds: Max 300cfu/g
E.Coli: Absent/10g
Salmonella: Absent/25g
Heavy Metals
Lead (Pb): Max 3ppm
Cadmium (Cd): Max 1ppm
Mercury (Hg): Max 0.1ppm
Arsenic (As): Max 1ppm
Pharmacopeia Standard Used: USP 37
There are no nuts in this recipe; however, we cannot guarantee that the raw materials entering the site are nut free.

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Please note that surveillance testing may mean that not all the parameters stated on this specification are



tested for every batch.















ALLERGENS	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Peanuts and Peanut Derivatives (There are no nuts in this recipe, however CCL cannot guarantee that the raw materials entering the site are nut free.)	NO	NO	
Other 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) (There are no nuts in this recipe, however CCL cannot  guarantee that the raw materials entering the site are nut free.)	NO	NO	
Sesame Seeds and Sesame Seed Derivatives	NO	NO	
Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	NO	NO	
Milk and Milk Derivatives (including lactose)	NO	NO	
Egg and Egg Derivatives	NO	NO	
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten (wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)	NO	NO	
Soya and Soya Derivatives	NO	NO	
Lupin and Lupin Derivatives	NO	NO	
Mustard and Mustard Derivatives	NO	NO	
Celery or Celery Derivatives (including Celeriac)	NO	NO	
Fish and Fish Derivatives	NO	NO	
Molluscs and their Derivatives	NO	NO	
Crustaceans and their Derivatives	NO	NO	
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	NO	NO	

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

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#### **NUTRITIONAL DATA**

Test	Calculated Value per 100gm
Energy KJ / Kcal	1,615.024KJ / 386Kcal
Fat	0.07g
Carbohydrate	91.75g
Fibre	0g
Protein	4.74g
Salt	0.025g
Total Minerals	79.31mg
Total Amino Acids	<4.31g
Total Vitamins	<11.52mg

#### **MINERAL DATA**

Test	Calculated Value per 100gm
Calcium	6.53mg
Iron	9.65mg
Magnesium	2.23mg
Potassium	50.9mg
Sodium	10mg

# **VITAMINS DATA**

Test	Calculated Value per 100gm
Vitamin A	<0.05mg
Vitamin B1	<0.025mg
Vitamin B2	0.0334mg
Vitamin B3	<0.025mg
Vitamin B6	<0.025mg
Vitamin C	6.309mg
Vitamin D	<0.05mg
Vitamin E	<5mg

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#### **AMINO ACID DATA**

Test	Calculated Value per 100gm
Glycine	0.149g
L-Alanine	0.14g
L-Arginine	<0.005g
L-Aspartic Acid	0.105g
L-Cysteine	<0.005g
L-Glutamic Acid	<0.005g
L-Histidine	<0.005g
L-Isoleucine	0.036g
L-Leucine	0.055g
L-Lysine	0.988g
L-Methionine	<0.005g
L-Phenylalanine	<0.005g
L-Proline	0.071g
L-Serine	1.825g
L-Threonine	0.084g
L-Tyrosine	0.037g
L-Valine	0.788g

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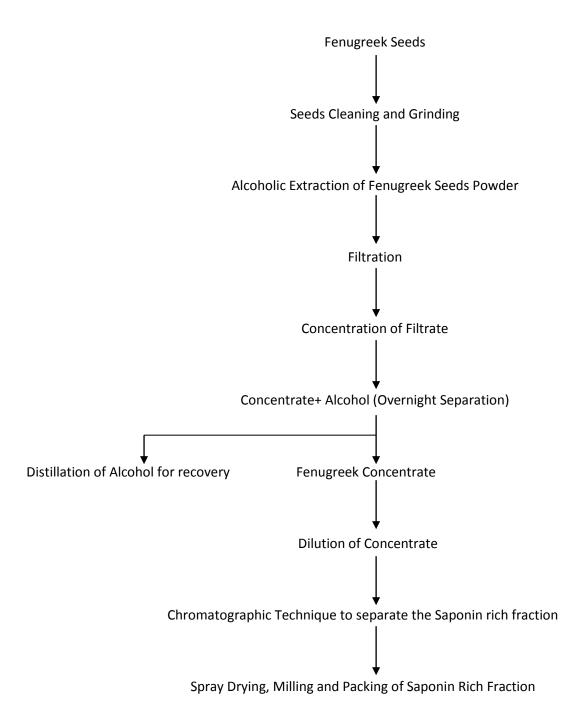








#### PRODUCTION FLOW CHART



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#### **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".

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#### **MATERIAL SAFETY DATA SHEET**

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

Product Name: Testofen
Product Code: P32796

Company: Cambridge Commodities Limited

Lancaster Way, Ely, Cambridgeshire, CB6 3NX Tel: 01353 667258. Email: qa@c-c-l.com

#### **Section 2 Hazards Identification**

Physical Hazard: Non Hazardous

Health Hazard: Non Hazardous. Toxicological studies have been conducted on the

substance.

Signal Word: No signal word

Hazard Statement(s): N/A

Pictograms: No Symbol/No Pictogram

Precautionary Statement(s): N/A
Hazards not otherwise classified: None

Ingredient(s) with unknown Acute

Toxicity: None

#### **Section 3 Composition/Information on Ingredients**

Substance: Testofen
Chemical Name: Not Applicable

Common Name and Synonyms: Trigonella Foenum Graecum Extract Powder

CAS number and other unique

Identifiers: N/A

Impurities and stabilizing additives which are themselves classified and which contribute to the classification

of the substance: None

# **Section 4 Emergency and First Aid Measures**

Inhalation: If symptoms develop, move individual away from exposure and into

fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek

immediate medical attention.

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Skin: Remove contaminated clothing. Wash exposed area with soap and

water. If symptoms persist, seek immediate medical attention.

Launder clothing before using.

Eye: If symptoms develop, immediately move individual away from

exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical

attention if irritation occurs.

Ingestion: Ingestion of this material in small quantities is not harmful. In case

the individual feels uncomfortable, immediately seek medical

attention.

Most important symptoms or Effects that are acute or delayed: Recommendations for immediate Medical care and special treatment needed, when necessary:

No Applicable information available.

No Applicable information available. Note to Physician: Fenugreek Extract Powder (FETS) is manufactured from Fenugreek seed. This is

not known to be harmful to the human body.

# **Section 5 Fire-fighting measures**

Suitable Extinguishing Media: Small Fire: Use Dry Chemical Powder

Big Fire: Use water spray, fog or foam.

Specific hazards arising from the Chemical (e.g. nature of any

Hazardous combustion products): Special protective equipment and

Precautions for fire fighter:

No Applicable information available.

Wear approved positive pressure, self-contained breathing

apparatus and full protective turn out gear.

# **Section 6 Accidental Release Measures**

Personal precautions, protective

Equipment and procedures: Use suitable protective equipment's to prevent the contamination

of skin, eyes and clothing.

Methods and materials for

Containment and cleaning up: Shovel material into containers. Thoroughly sweep area of spill to

clean up any residual material.

#### **Section 7 Handling and Storage**

Handling: Use good personal hygiene practices. Wash hands before eating,

drinking, smoking or using toilet facilities. Promptly remove solid clothing and wash before re use. Shower after work using plenty of soap and water. Material is highly hygroscopic. When not in use,

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tightly seal the container and store in a dry, cool place at room temperature below 25°C. Avoid excessive heat and Light. Material should be opened and handled in a controlled environment preferably under proper Air Handling Unit (AHU) with temperature not more than 25°C and RH less than 50%. Once the material is removed the balance material should be repacked in the original packing (Packing details: The product is packed in double lined polybag which is strip sealed. Then is packed in Aluminium foil bag which is heat sealed. This packing is then placed in a HDPE drum

Storage: Store in cool, dark places.

# **Section 8 Exposure Controls/Personal Protection**

Exposure Limits: No Applicable information available.

Engineering Controls: Provide sufficient mechanical (general or local exhaust) ventilation

to maintain exposure below level of over exposure (from known,

suspected or apparent adverse effects).

Eye: Wear safety glasses or goggles if eye contact is possible.

which is sealed).

Hand: Wear protective gloves (resistant gloves, latex).

Skin: Wear protective clothing when working with the product.

#### **Section 9 Physical and Chemical Properties**

Appearance: Green (\*\*) Powder

Upper/lower flammability or

Explosive limits: N/A

Odour: Characteristic Solubility: Soluble

# **Section 10 Stability and Reactivity**

Reactivity: N/A

Chemical Stability: Stable under normal ambient temperature.

Hazardous Polymerization: Product will not undergo hazardous polymerization. Incompatibilities with other materials: Avoid contact with strong acid, strong bases.

Hazardous Decomposition: Product will not undergo hazardous decomposition.

# **Section 11 Toxicological Information**

Routes of Exposure (Inhalation,

Ingestion, skin and eye contact): N/A

Delayed, immediate or chronic

Effects from exposure: N/A

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LD50: More than 2,000mg/kg of body weight for rats.

Description of Symptoms: N/A

Carcinogen Status: The substance is not listed as a carcinogen by IARC, NTP or OSHA.

# **Section 12 Ecological Information**

No data available.

## **Section 13 Disposal Considerations**

Waste Disposal: Dispose like other normal, non-toxic solid waste. Observe all

federal, state and local environmental regulations when disposing

of this material.

## **Section 14 Transport Information**

Shipping Name: Fenugreek Extract Powder

# **Section 15 Regulatory Information**

No data available.

#### **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.

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# **Change History**

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A
2	Total Minerals has been updated from 69.31g to 79.31mg, due to a clerical error.	Yes
3	Vitamins, Minerals & Amino Acids breakdowns have been added	No

# **Document Approval**

Originator Job Title	QC Technician	Approver Job Title	<b>Quality Specialist</b>
Adam Mulcahy Adam Mulcahy (Aug 4, 2016)		Vanci-Harie (mi) Nanci-Marie Smith (A <b>O</b> g 5, 20	16)

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# P32796-Testofen-Technical Dossier

Adobe Sign Document History 08/05/2016

Created: 08/04/2016

By: Adam Mulcahy (adam.mulcahy@c-c-l.com)

Status: SIGNED

Transaction ID: CBJCHBCAABAA49UplOWcalOjtc7-nv0my\_E0tU3oXaM1

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