

PRODUCT TECHNICAL DOSSIER

AGARICUS BLAZEI EXTRACT

Product Code:

P01070

Raw Material Full Name:

Agaricus Blazei Extract

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

Agaricus Blazei muril

This material is Food Grade:

YES

Limit/Range/Specification:

Min 30% Polysaccharides

Solubility in Water:

Partially Soluble

Solubility in Alcohol:

Partially Soluble

Particle Size:

80 Mesh

Percentage passed through:

Min 90%

Bulk Density:

Approx 0.46g/ml

Tapped Density:

Approx 0.64g/ml

Loss on Drying:

Max 5%

Residue on Ignition:

Max 5%



Country of Origin:

China

Country of Origin of the Manufacture:

China

Base Source/Start Material:

Fruiting Body of the Agaricus Blazei muril

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

Plant

Solvents used:

Water/Ethanol

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

Water/Ethanol Concentration

Material is:

95%

Compound Ingredients Origin, Function and Percentages:

5% maltodextrin from Corn

Shelf Life from Date of Manufacture:

Min 2 Years from Date of manufacture

Storage Conditions:

Cool, dry, dark, airtight environment.

Storage of products at room temperature

Keep away from sunshine and moisture

Reclose packaging tightly after use

Appearance (Fine/Crystals/Crystalline/Hygroscopic):

Fine Powder

Colour:

Brownish Yellow (**)

Flavour/Taste:

Typical to botanical

Odour:

Typical to botanical

Product Code: P01070

Version: 1

Page 2 of 11



success starts with the finest ingredients...

Do any of the parameters change in different seasons?:

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

Microbiological Test

Total Viable Count:

Max 10,000cfu/g

Yeast & Moulds:

Max 1,000cfu/g

E.Coli:

Absent/1g

Salmonella:

Absent/10g

Heavy Metals

Lead (Pb):

Max 3ppm

Cadmium (Cd):

Max 1ppm

Mercury (Hg):

Max 0.1ppm

Arsenic (As):

Max 1ppm

Pharmacopeia Standard Used:

EP, USP

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.



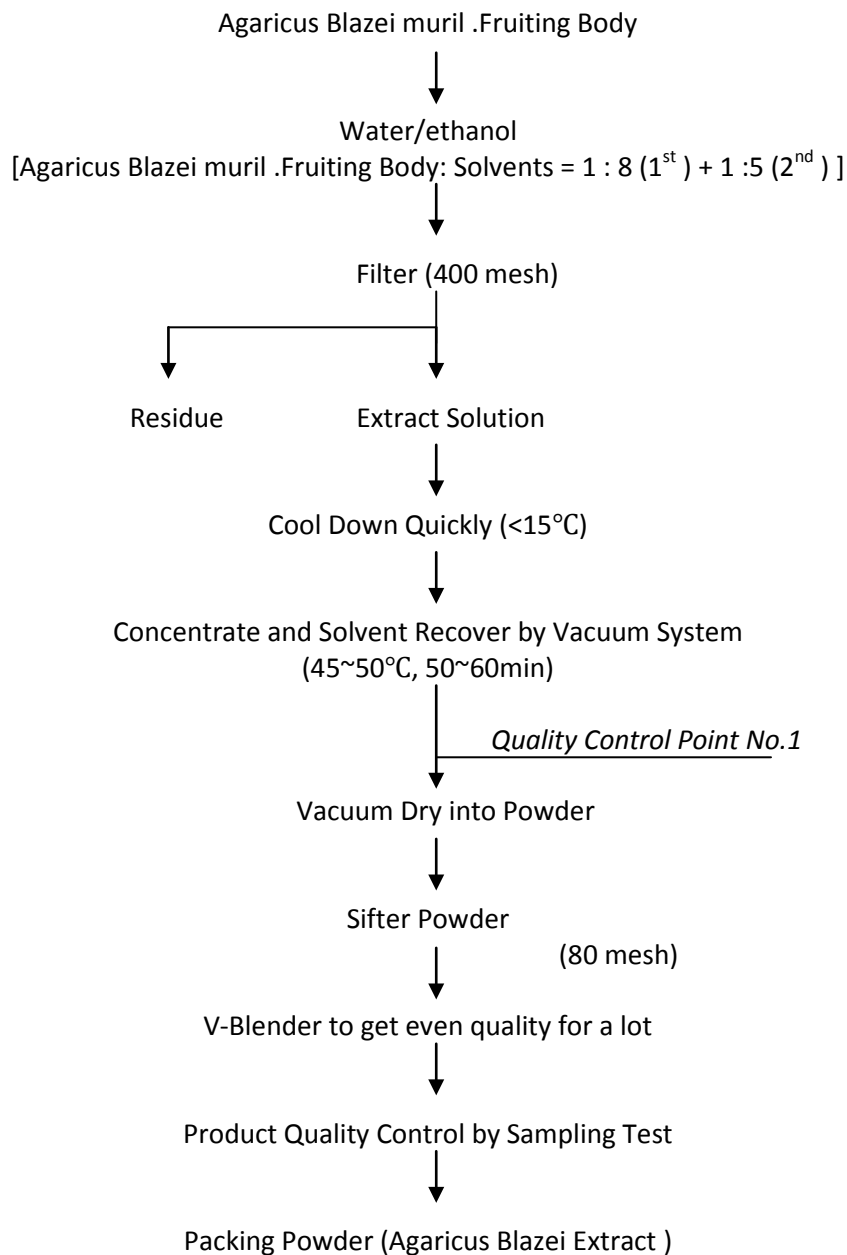
ALLERGENS	Product Contains YES/NO	Listed Item on Site at Manufacturer YES/NO	If YES, Please Comment
Peanuts and Peanut Derivatives (There are no nuts in this recipe, however CCL cannot guarantee that the raw materials entering the site are nut free.)	NO	NO	
Other Nut and Nut Derivatives <i>Almond (Amygdalus 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> (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 <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)</i>	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	



ADDITIVES / CONTAMINANTS / DIETARY REQUIREMENTS	Product Contains YES/NO	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	YES	YES	5% Maltodextrin from Corn
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	Ethanol 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	



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: Agaricus Blazei Extract
Product code: P01070
Company: Cambridge Commodities Limited
Lancaster Way, Ely, Cambridgeshire, CB6 3NX
Tel: 01353 667258. Email: qa@c-c-l.com

Section 2 Hazards Identification

Not considered hazardous when handled under normal conditions with good housekeeping.

Section 3 Composition/Information on Ingredients

C.A.S. No: /
Molecular Formula: /
Formula Weight: /
Merck Index: /
Product Group: Misc

Section 4 Emergency and First Aid Measures

In case of inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

In case of contact with skin: Immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

In case of contact with eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.

In case of ingestion: If swallowed, wash out mouth with water, provided person is conscious.

Product Code: P01070

Version: 1

Page 8 of 11



success starts with the finest ingredients...

Seek medical advice.

Remove and wash/dispose of
contaminated clothing promptly.

Section 5 Fire-fighting measures

Extinguishing Media:	Carbon dioxide, dry chemical powder or appropriate foam. Water spray.
Unusual fire and explosion hazards:	Emits toxic fumes under fire conditions
Special firefighting procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

Section 6 Accidental Release Measures

Ensuring personal safety, mark out contaminated area with signs and prevent unauthorised access.

Turn leaking containers up to prevent further Evacuate area.

Wear self-contained breathing apparatus, rubber boots & heavy rubber gloves. Sweep-up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill

site after pick-up complete.



Section 7 Handling and Storage

Store in original container in a cool dark place.

Section 8 Exposure Controls/Personal Protection

Respiratory protection:	required when dusts are generated.
Eye protection:	required.
Hand protection:	required.
Industrial hygiene:	Immediately change contaminated clothing. Wash hands and face after working with substance.

Section 9 Physical and Chemical Properties

Appearance:	Brownish Yellow powder (**)
Odour :	Characteristic
Melting Point :	/
Solubility:	Partly solubility in water solution.

Section 10 Stability and Reactivity

Conditions to be avoided:	Unknown
Substances to be avoided:	Unknown
Hazardous decomposition products:	Unknown

Section 11 Toxicological Information

No Information received .

Section 12 Ecological Information

Do not allow product to enter drinking water supplies, waste water or soil.

Section 13 Disposal Considerations

Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical. Incinerator equipped with an afterburner and scrubber. Material should be disposed of in keeping with all local and national legislation. Packaging should be disposed of in keeping with all local and national legislation. Handle contaminated containers as product.



Section 14 Transport Information

No Information received

Section 15 Regulatory Information

No Information received

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.


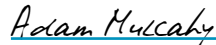
This Information provided in this document is subject to change and the batch specific Certificate of Analysis should always be referenced.

To be used as per local legislation.

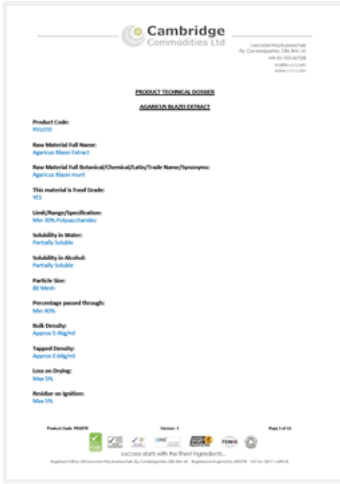
Change History

Version	Change	Customer Notification required Yes / No
1	First Issue	N/A

Document Approval

Originator Job Title	QC Technician	Approver Job Title	QC Technician
 Daniel Collins (Apr 19, 2016)		 Adam Mulcahy (Apr 19, 2016)	





P01070-Agaricus Blazei Extract-Technical Dossier

Adobe Document Cloud Document History

04/19/2016

Created:	04/19/2016
By:	Adam Mulcahy (adam.mulcahy@c-c-l.com)
Status:	SIGNED
Transaction ID:	CBJCHBCAABAASheaub3C3zT3-rvgQqK1JsDz4iabzSt0

“P01070-Agaricus Blazei Extract-Technical Dossier” History

- Document uploaded by Adam Mulcahy (adam.mulcahy@c-c-l.com) from Reader
04/19/2016 - 2:10:34 PDT - IP address: 81.145.42.226
- Document signed in Reader by Adam Mulcahy (adam.mulcahy@c-c-l.com)
Signature Date: 04/19/2016 - 2:10:55 PDT - Time Source: server - IP address: 81.145.42.226
- Document emailed to Daniel Collins (daniel.collins@c-c-l.com) for signature
04/19/2016 - 2:10:56 PDT
- Document viewed by Daniel Collins (daniel.collins@c-c-l.com)
04/19/2016 - 2:14:07 PDT - IP address: 81.145.42.226
- Document e-signed by Daniel Collins (daniel.collins@c-c-l.com)
Signature Date: 04/19/2016 - 2:14:33 PDT - Time Source: server - IP address: 81.145.42.226
- Signed document emailed to Adam Mulcahy (adam.mulcahy@c-c-l.com) and Daniel Collins (daniel.collins@c-c-l.com)
04/19/2016 - 2:14:33 PDT