

Product Technical Dossier

Product	<i>Echinacea purpurea</i> Powdered Herb (feed only)
CCL Product Code	P05006

Specification Details

	Specification
Appearance	Fine Powder
Colour	Green 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 90% Pass 60 Mesh
Loss on Drying	Max 10%
Ash	Max 12%
Foreign Matter	Max 2%

Microbiological Limits

E. coli	<10cfu/g
Salmonella	Negative/25g

Heavy Metal Limits

Lead (Pb)	Max 3ppm
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>Echinacea purpurea L</i>
Part Used	Flowering Aerial Parts
The material is Food Grade	No, suitable for use in feed only
Solvent used	None
Country of Origin	Germany
Country of Manufacture	Germany
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
<i>Echinacea purpurea</i> Powdered Herb	-	100%	Flowering Aerial Parts of the <i>Echinacea purpurea L</i>

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.



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	F
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	F
Sesame Seeds and Sesame Seed Derivatives	No	Yes	E
Milk and Milk Derivatives (including lactose)	No	Yes	E
Egg and Egg Derivatives	No	No	F
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(Wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	Yes	E
Soya and Soya Derivatives	No	Yes	E
Lupin and Lupin Derivatives	No	No	F
Mustard and Mustard Derivatives	No	Yes	E
Celery or Celery Derivatives (including Celeriac)	No	Yes	E
Fish and Fish Derivatives	No	No	F
Molluscs and their Derivatives	No	No	F
Crustaceans and their Derivatives	No	No	F
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	Yes	E

- A - Risk of contact at source during harvesting and may contain traces, for example previous crop was an allergen source or neighbouring fields grow allergens which could be a cross contamination risk
- B - Raw material handled on same line as other allergenic materials and may contain traces
- C - Raw material handled on same line as other allergenic materials however formal control programme in place to minimise cross contact risk
- D - Exempt from labelling according to EU regulations
- E - Not handled on the same line
- F - Not handled at manufacture site and therefore no risk of cross contamination



Additives / Contaminants / Dietary Requirements / Intolerances	Product Contains YES/NO	Handled at Manufacture site YES/NO	Please see risk rating A to E listed below
Additives / E Numbers	No	No	F
Antioxidants	No	No	F
Ethylene Oxide	No	No	F
Gelatine	No	No	F
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	F
Maize / Corn and any Derivatives	No	No	F
Legumes / Pulses	No	No	F
Rice and Rice Derivatives	No	Yes	E
Added Salt	No	No	F
Added Sugar / artificial or natural sweeteners	No	No	F
Aspartame	No	No	F
BHA / BHT (E320 / E321)	No	No	F
Caffeine	No	No	F
Colours (Artificial / Nature Identical / Natural / Smoked)	No	No	F
Dextrose	No	No	F
Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	Yes	E
Fruits (Kiwi fruit, orange, banana, apple, peach)	No	No	F
Polyols (sugar alcohols)	No	No	F
Grapefruit	No	No	F
Sorbic Acid (E200, E203)	No	No	F
Any other Preservatives	No	No	F
Ethanol	No	No	F
Honey	No	No	F
Lactose	No	Yes	E
Yeast and Yeast Derivatives	No	Yes	E
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	F
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	F
Matsutake mushroom and Derivatives	No	No	F
Yam and Derivatives	No	Yes	E
Buckwheat and Derivatives	No	Yes	E
Palm Oil and Derivatives	No	No	F
Coconut and Derivatives	No	Yes	E

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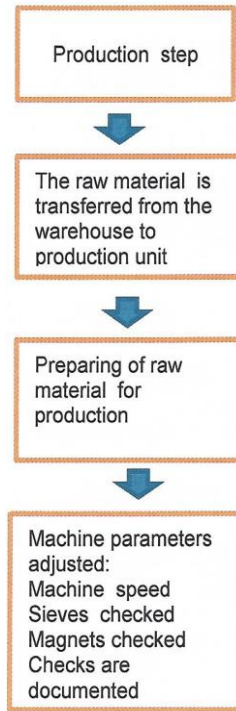
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Compliance Statements

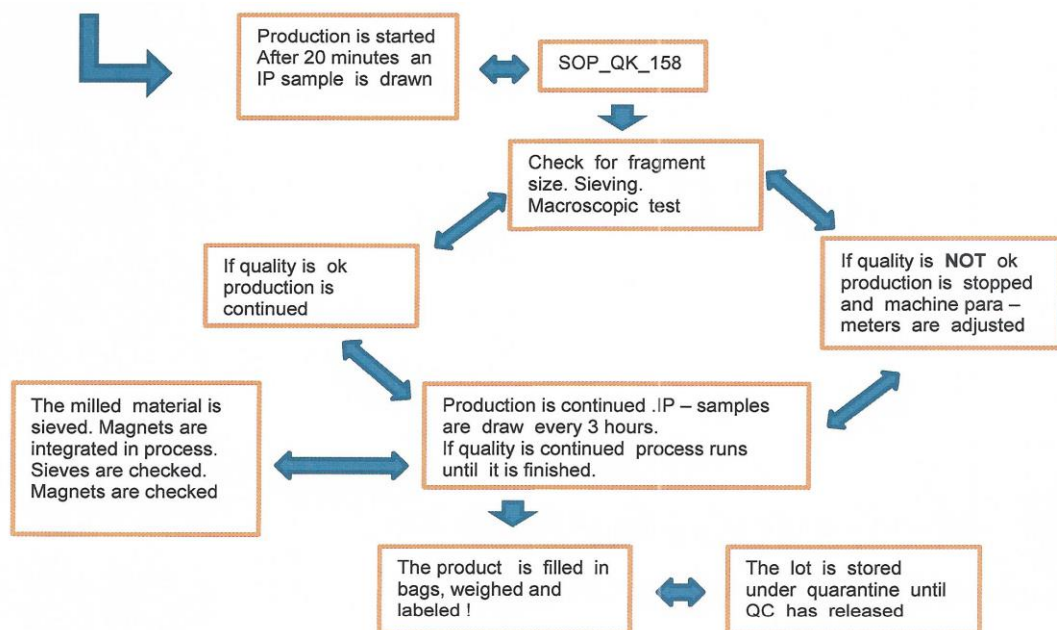
<p>Confirmation of BSE / TSE Status This product complies with all relevant current UK and EU Legislative requirements in regard to Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathy (BSE) for human food, and so is free of TSE/BSE.</p>	Yes
<p>Confirmation of GM Status 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



Product Flow Chart



IF CHECK IS POSITIVE
Production is started



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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	<p>The following has been amended to meet EU and USA Food Grades.</p> <ul style="list-style-type: none"> • 100% Pass 80 Mesh is now 90% Pass 80 Mesh • Moisture (Loss on Drying) was Max 12% and is now Max 15% <ul style="list-style-type: none"> • Ash was Max 7% and is now Max 10% • Sulphate, Pesticide Residues, P. Aeruginosa, Staphylococcus aureus, Clostridium Spp. and chlorate have all be removed. • Phosphate Organics and Aflatoxins are now tested periodically. <ul style="list-style-type: none"> • Yeats and Moulds has increased to Max 10,000cfu/g • Salmonella was Negative and is now Absent in 25g • E. coli was also negative and is now Absent in 10g • Mercury Specification has been added. • The Pharmacopeia now used is EU and USA Food Grades rather than FCC and USP. 	Yes
3	Clerical Errors amended	Yes
4	<ul style="list-style-type: none"> ° Solvent Used has been updated from Water to None. MSDS section 3 has been updated to clarify that this material is powder not extract. ° Stems and Leaves has been added to reflect the part of the plant used. ° Compound Ingredient has been updated from 100% to None. ° Aflatoxins has been updated from Max 0.2ppb to Conform to EU Regulations. ° E coli has been updated from Negative/1g to Negative/10g. 	Yes



5	<p>Updated: Ash from Max 10% Max 12% Country of Origin from China to Germany Country of Origin of the Manufacture from China to Germany Changed MSDS with updated one. Changed PRODUCT FLOW CHART with updated one. Added Halal Certified.</p> <p>Removed: Identification: (TLC) Positive Active Ingredient: Echinacoside Solubility in Water: Poor Solubility in Water Phosphate Organics (Gas Chromatography, Tested Periodically): Max 1ppm Heavy Metals: Max 10ppm</p> <p>These changes were made so that our specifications match those of the supplier.</p>	
6	Changed E. coli specification from absent in 10g to <10cfu/g as this is the limit of detection for our lab.	Yes
7	<p>Changed TVC specification from max 100,000cfu/g to max 500,000cfu/g.</p> <p>Removed aflatoxins specification, pharmacopeia standard used, General reformat.</p>	Yes
8	Amended Yeasts & Moulds limits from Max 10,000cfu/g to Max 50,000cfu/g.	Yes
9	<p>Changed specifications for loss on drying from 'max 15%' to 'max 10%', part of plant used from 'stems and leaves of dried plant' to 'flowering aerial parts', and grade of product from 'food' to 'feed'. Removed microbiological limits. Added foreign matter specification as 'max 2%'. Updated compliance statements.</p> <p>Confirmed in the allergens and additives tables that sesame seeds, milk, cereals, soya, mustard, celery, sulphur, rice, other seeds, lactose, yeast, yam, buckwheat & coconut are on site at manufacturer, but are not handled on the same production line. Updated product flow chart</p>	Yes
10	Added E. coli & Salmonella specifications	Yes

Document Approval

Originator	Approver
Anne Stevens Quality Administrator  <small>22/11/2023 11:04</small>	 Ash Bayne Senior Quality Specialist <small>24/11/2023 11:29</small>

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