

Product Technical Dossier

Product	Spinach Powder
CCL Product Code	P19220

Specification Details

Identification	Specification
Appearance	Positive
Colour	Fine Powder
Aroma	Green**
Flavour	Characteristic
	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 95% pass 35 mesh
Loss on Drying	<8%

Microbiological Limits

Total Viable Count	Max 500,000cfu/g
Yeasts & Moulds	Max 11,000cfu/g
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

**heavy metals tested periodically



Additional Technical Information

Raw Material Full Botanical / Chemical Name	<i>Spinaciae oleraceae</i>
Part Used	Stem and Leaf
The material is Food Grade	Yes
Country of Origin	China, Italy & Hungary
Country of Manufacture	China, Italy & Hungary
Solubility in Alcohol	Not soluble in alcohol
Solubility in Water	Not soluble in water
Shelf Life from Date of Manufacture	Minimum 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
Spinach powder	-	100%	<i>Spinaciae oleraceae</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.

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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 (Wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)	No	Yes	No risk sealed pack storage only at site
Soya and Soya Derivatives	No	Yes	No risk, different 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	Yes	No risk sealed pack storage only at site
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	No	Yes	No Risk
Legumes / Pulses	No	No	N/A
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)	No	No	N/A
Kiwi fruit	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	No	Yes	No risk
Honey	No	No	N/A
Lactose	No	No	N/A
Yeast and Yeast Derivatives	No	Yes	No risk
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



Statements

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.	Yes
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.	Yes
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 current regulations.	Yes
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.	Yes
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.	Yes
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.	Yes
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 current regulations.	Yes
Confirmation of Pesticides Status This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.	Yes
Confirmation of Nanoparticles Status This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation, 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".	Yes
Packaging Status We hereby certify that the packaging used in the above-mentioned material conforms to EU regulations and subsequent amendments on food grade packaging	Yes
Confirmation of PAH status This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations	Yes



Product Flow Chart

Preparation of raw material



Washing



Drying



Milling and sieving



Blending



Packing



Inspecting



Finished product

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Material Safety Data Sheet

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>Removed the following information:</p> <ul style="list-style-type: none"> Extraneous Dyes Not Present Pesticides Meet EU Regulations Aflatoxins <10ppb <p>Amended the following parameters:</p> <ul style="list-style-type: none"> Ash <21% to Max 5% Total Viable Count <500,000cfu/g to Max 10,000 cfu/g Yeasts & Moulds <50,000cfu/g to Max 300 cfu/g E. Coli Negative to Negative/10g Salmonella Negative to Negative/25g Country of Origin Europe & China to China Country of Manufacture Europe & China to China <p>Allergens and additives tables have been updated as Soya and Soya Derivatives, Maize / Corn and any Derivatives and Ethanol are present on the manufacture site with no risk of cross-contamination.</p> <p>Added production flow chart and supplementary technical information.</p> <p>General reformat.</p>	Yes
3	<p>Removed total heavy metals, ash, bulk & tapped density and staphylococcus aureus specifications. Removed TLC as identification method and ratio of material, cultivated/wild, harvest method, harvest period & harvest stage from additional information section.</p> <p>Changed total viable count from max 10,000cfu/g to max 500,000cfu/g, yeasts & moulds from max 300cfu/g to max 11,000cfu/g, sieve analysis from min 95% pass 60 mesh to min 95% pass 35 mesh, E. coli from negative/10g to <10cfu/g and coliforms from negative/10g to <100cfu/g.</p> <p>Added a colour variation statement.</p>	Yes

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4	Removed Coliforms specification. Added Heavy Metals statement & Italy to country of origin and country of manufacture. Updated Allergens table for Cereals and Derivatives & Molluscs and their Derivatives to state "Yes" item listed on site but no risk of cross contamination.	Yes
5	Added Hungary to Country of Manufacture & Country of Origin	Yes

Document Approval

Originator	Approver
 <small>14/04/2023 12:45</small> Mel Lee Quality Administrator	 <small>14/04/2023 12:50</small> C White Senior Quality Specialist

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