

Product Technical Dossier

Product	ORG Organic Seagreens Ascophyllum Fine Granules
CCL Product Code	P32445

Specification Details

	Specification
Identification	Positive
Appearance	Granular
Colour	Dark 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.

Particle Size	100-400µm (>60%)
Moisture	Max 14%
Iodine (naturally occurring)	Approx. 870mg/kg (0.087%)(**)
Bulk Density	0.600 – 0.800
Polyphenols	>20,000mg/kg
Vitamin C	>25mg/100g

(**) Subject to 24% test margin of error, plus 15% natural seaweed variance.

Microbiological Limits

Total Viable Count	Max 10,000cfu/g
Coliforms	< 100cfu/g
Yeasts & Moulds	Max 1,000cfu/g
Enterobacteriaceae	< 10cfu/g
E. Coli	< 10cfu/g
Staphylococcus Aureus	< 10cfu/g
Salmonella	Negative/25g
Vibrio spp.	Negative/25g

Heavy Metal Limits

Lead (Pb)	Max 3ppm
Cadmium (Cd)	Max 3ppm
Mercury (Hg)	Max 0.1ppm
(Inorganic) Arsenic (As)	Max 1ppm

Product Code: P32445

Version: 4

Page 1 of 7



FDA number: 16806073982

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Additional Technical Information

Raw Material Full Botanical Name	<i>Ascophyllum nodosum</i>
Part Used	Thallus
The material is Food Grade	Yes
Solvent used	None
Country of Origin	UK & Nordic region
Country of Manufacture	UK
Solubility in Alcohol	Not Soluble
Solubility in Water	Not Soluble
Shelf Life from Date of Manufacture	Min 4 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	% composition	Source
Organic Seagreens <i>Ascophyllum</i> Fine Granules	100%	Thallus of the <i>Ascophyllum nodosum</i>

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	1280 kJ / 309 Kcal
Fat (g)	4
-Of which Saturates (g)	2
Carbohydrate (g)	55
-Of which Sugars (g)	5
Fibre (g)	5
Protein (g)	5.4
Salt (g)	8.75

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.

Product Code: P32445

Version: 4

Page 2 of 7



FDA number: 16806073982

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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	Yes	No
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 ternitolia)</i>	No	Yes	No
Sesame Seeds and Sesame Seed Derivatives	No	Yes	No
Milk and Milk Derivatives (including lactose)	No	Yes	No
Egg and Egg Derivatives	No	Yes	No
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	Yes	No
Soya and Soya Derivatives	No	Yes	No
Lupin and Lupin Derivatives	No	Yes	No
Mustard and Mustard Derivatives	No	Yes	No
Celery or Celery Derivatives (including Celeriac)	No	Yes	No
Fish and Fish Derivatives	May Contain	Yes	May Contain trace residues as harvested from the sea
Molluscs and their Derivatives	May Contain	Yes	May Contain trace residues as harvested from the sea
Crustaceans and their Derivatives	May Contain	Yes	May Contain trace residues as harvested from the sea
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	Yes	No

Product Code: P32445

Version: 4

Page 3 of 7



FDA number: 16806073982

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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	Yes	No
Antioxidants	Yes	Yes	Naturally occurring in this product
Ethylene Oxide	No	No	N/A
Gelatine	No	Yes	No
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	Yes	No
Maize / Corn and any Derivatives	No	Yes	No
Legumes / Pulses	No	Yes	No
Rice and Rice Derivatives	No	Yes	No
Added Salt	No	Yes	No
Added Sugar / artificial or natural sweeteners	No	Yes	No
Aspartame	No	Yes	No
BHA / BHT (E320 / E321)	No	No	N/A
Caffeine	No	Yes	No
Colours (Artificial / Nature Identical / Natural / Smoked)	No	Yes	No
Dextrose	No	Yes	No
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	Yes	No
Kiwi fruit	No	No	N/A
Polyols (sugar alcohols)	No	No	N/A
Grapefruit	No	No	N/A
Sorbic Acid (E200, E203)	No	Yes	No
Any other Preservatives	No	Yes	No
Ethanol	No	No	N/A
Honey	No	Yes	No
Lactose	No	Yes	No
Yeast and Yeast Derivatives	No	Yes	No
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	Yes	No
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	Yes	No

Product Code: P32445

Version: 4

Page 4 of 7



FDA number: 16806073982

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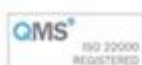
Statements

<p>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.</p>	Yes
<p>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.</p>	Yes
<p>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.</p>	Yes
<p>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.</p>	Yes
<p>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.</p>	Yes
<p>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.</p>	Yes
<p>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.</p>	Yes
<p>Confirmation of Pesticides Status This is to certify that the above-mentioned product complies with the EU max residue limits (MRLs) on pesticides.</p>	Yes
<p>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".</p>	Yes
<p>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</p>	Yes
<p>Confirmation of PAH status This is to certify that the above-mentioned product complies with the max PAH limits set by the EU regulations</p>	Yes

Product Code: P32445

Version: 4

Page 5 of 7

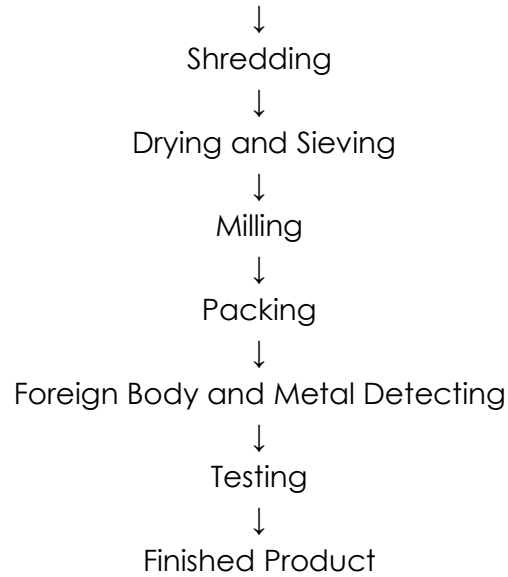


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Product Flow Chart

Selecting and harvesting
(according to Seagreens Human Food Seaweed Standards)



Product Code: P32445

Version: 4

Page 6 of 7



FDA number: 16806073982

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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	Amended allergens table as this product may contain fish, molluscs and crustaceans.	Yes
3	Specification changes: <ul style="list-style-type: none"> Cadmium from max 1ppm to max 3ppm Iodine from Approx. 770mg/kg (0.077%) to Approx. 870mg/kg (0.087%) Polyphenols from >15,000mg/kg to >20,000 mg/kg Added minimum vitamin C content 	Yes
4	Removed certificate number	No

Document Approval

Originator	Approver
 Chloe Binns QC Technician <small>01/12/2021 12:59</small>	 Cecilia Anzani Senior Quality Specialist <small>01/12/2021 13:02</small>

Product Code: P32445

Version: 4

Page 7 of 7



FDA number: 16806073982

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