

Product Technical Dossier

Product	Green Lipped Mussel Powder
CCL Product Code	P34231

Specification Details

	Specification
Identification	Positive
Appearance	Fine Powder
Colour	Tan
Aroma	Characteristic
Flavour	Characteristic
Sieve Analysis % passed	90% Pass through 60 Mesh
Loss on Drying	Max 6%
Ash	Max 15%
Bulk Density	550 – 750g/l

Microbiological Limits

Total Viable Count	Max 10,000cfu/g
Yeasts & Moulds	Max 150cfu/g
E. Coli	<10cfu/g
Salmonella	Negative/25g
Enterobacteriaceae	Max 100cfu/g

Heavy Metal Limits

Lead (Pb)	Max 1ppm
Cadmium (Cd)	Max 3ppm
Mercury (Hg)	Max 0.1ppm
Arsenic* (As)	Max 25ppm

*Inorganic Arsenic tested annually – to meet specification of <1ppm.
The predominant 'Arsenic' found in Green Shell Mussel Powder is organic Arsenic.

Additional Technical Information

Product Code: P34231

Version: 4

Page 1 of 7

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Raw Material Full Botanical / Chemical Name	Perna canaliculus
The material is Food Grade	Yes
Ratio of Material	5:1
Country of Origin	New Zealand
Country of Manufacture	New Zealand
Solubility in Alcohol	Insoluble
Solubility in Water	Insoluble
Shelf Life from Date of Manufacture	Min 3 Years
Suitable for Vegetarians?	No
Suitable for Vegans?	No
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
Perna canaliculus	Mussel	99.94%	steamed opened mussel meat.
Antioxidant	Dadex® TORDRY NGM (Ingredients contained <i>Mixed tocopherols, silicon dioxide, citric acid, organic rosemary extract</i>)	0.06%	Plant, synthetic

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: P34231

Version: 4

Page 2 of 7

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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	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, barley grass)</i>	No	YES	NO
Soya and Soya Derivatives	No	YES	NO
Lupin and Lupin Derivatives	No	No	N/A
Mustard and Mustard Derivatives	No	YES	NO
Celery or Celery Derivatives (including Celeriac)	No	No	N/A
Fish and Fish Derivatives	No	YES	NO
Molluscs and their Derivatives	Yes	Yes	Product is derived from molluscs
Crustaceans and their Derivatives	No	No	N/A
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	YES	NO

Product Code: P34231

Version: 4

Page 3 of 7

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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	Yes	No	See contained in antioxidant
Antioxidants	Yes	Yes	Product contains antioxidants
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	No	N/A
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	No	N/A
Honey	No	No	N/A
Lactose	No	No	N/A
Yeast and Yeast Derivatives	No	No	N/A
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	Yes	Yes	Product is derived from molluscs
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A

Product Code: P34231

Version: 4

Page 4 of 7

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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: P34231

Version: 4

Page 5 of 7

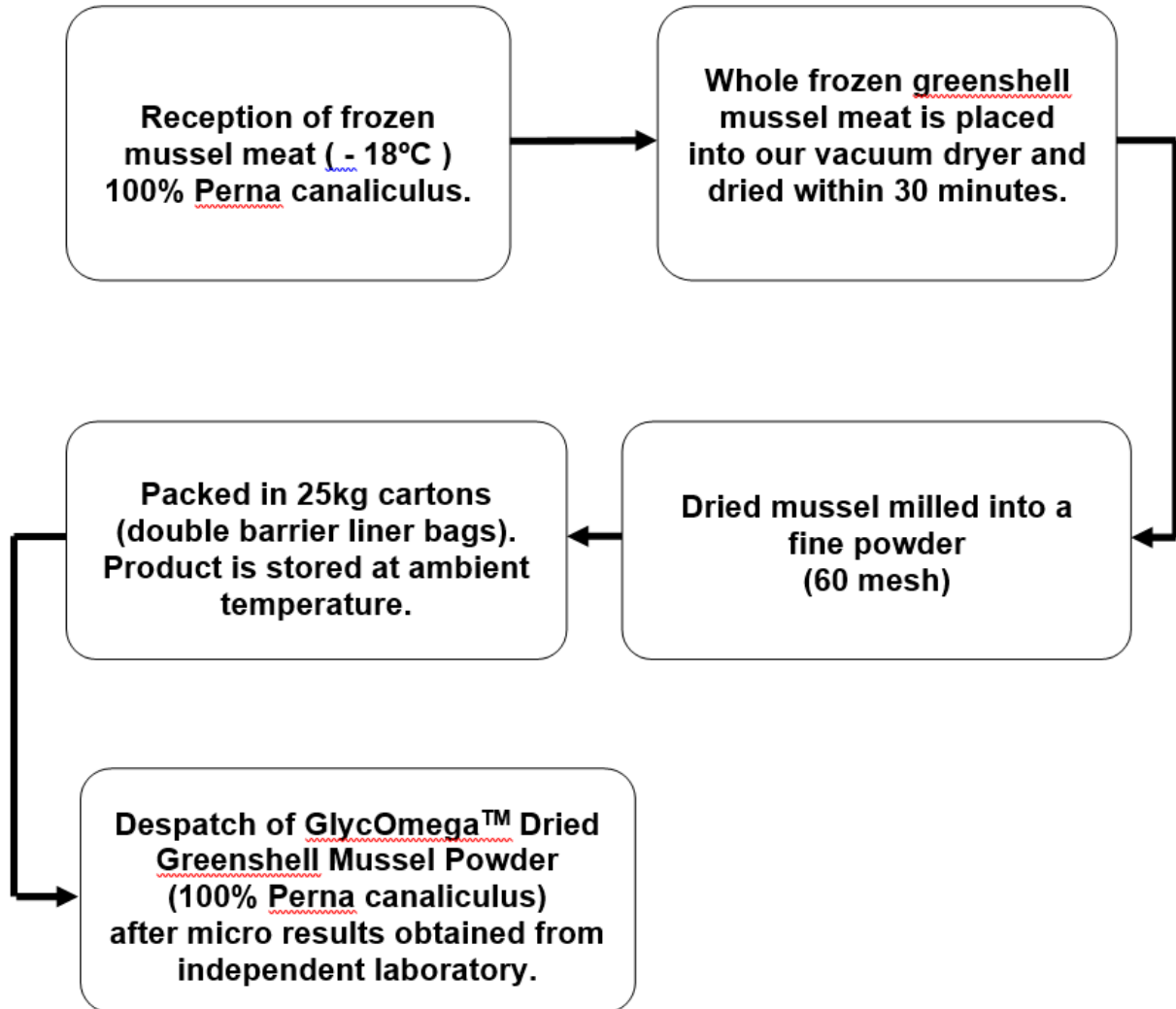
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Product Flow Chart



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	The E.Coli and Salmonella parameters were modified, along with the nutritional values.	Yes
3	Changed E-Coli from Negative/1g to <10cfu/g, changed total viable count from <50,000cfu/g to max 10,000cfu/g Added statement about Arsenic, Enterobacteriaceae Max 100cfu/g and bulk density 550 – 750g/l. Updated Nutritional's General reformat	Yes
4	Amended Composition as Antioxidant has changed from natural rosemary extract to Dadex® TORDRY NGM composed of Mixed tocopherols, silicon dioxide, citric acid, organic rosemary extract, Removed nutritional table	Yes

Document Approval

Originator	Approver
 Alan Feetham QC Technician <small>24/05/2023 15:47</small>	 Ben Penny-Inskip Quality Specialist <small>24/05/2023 15:54</small>

Product Code: P34231

Version: 4

Page 7 of 7

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