

Product Technical Dossier

Product	Red Rice Yeast Powder
CCL Product Code	P18063

Specification Details

Means of Identification (HPTLC)	Positive
Assay/Actives	Monacolin K Min 0.4%
Appearance	Powder
Colour	Red (**)
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	95~100% pass 80 mesh
Loss on Drying	Max 10%
Ash	Max 6%
Bulk Density	40~55g/100ml
Tapped Density	Approx. 70g/100ml
pH	5-6
Impurities/Residual Solvents	Meets EU standards

Microbiological Limits

Total Viable Count	Max 5000 cfu/g
Yeasts & Moulds	Max 100 cfu/g
E. Coli	Negative
Salmonella	Negative
Staphylococcus	Negative
Coliforms	Max 30MPN/100g

Heavy Metal Limits

Total Heavy metals	Max 10ppm
Lead (Pb)	Max 1.5ppm
Cadmium (Cd)	Max 0.5ppm
Mercury (Hg)	Max 0.05ppm
Arsenic (As)	Max 1ppm



Additional Technical Information

Raw Material Full Botanical / Chemical Name	<i>Monascus purpureus</i>
Part Used	Rice
The material is Food Grade	Yes
Cultivated / Wild	Cultivated
Harvest Method	Mechanical
Harvest Period	July
Harvest Stage (age of the plant)	Approx. 3 months
Country of Origin	China
Country of Manufacture	China
Melting Point	More than 300 Centigrade
Solubility in Alcohol	Soluble in Alcohol
Solubility in Water	Slightly soluble in water
Average Molecular weight	404.55(Monacolin K)
Molecular Formula	C ₂₄ H ₃₆ O ₅ (Monacolin K)
CAS Number	79952-43-5(Monacolin K)
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
Red Rice Yeast Powder	Main ingredient	100%	Rice of the <i>Monascus purpureus</i> (fermentation)

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	1490kJ/356Kcal
Fat (g)	2.75g
-Of which Saturates (g)	0.03g
Carbohydrate (g)	64.7g
-Of which Sugars (g)	0.43g
Fibre (g)	0g
Protein (g)	20.0g
Salt (g)	0.43g

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: P18063

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	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 <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	NO	NO	N/A
Soya and Soya Derivatives	NO	NO	N/A
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	NO	N/A
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	No	N/A
Legumes / Pulses	No	No	N/A
Rice and Rice Derivatives	Yes	Yes	Source
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
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.)	No	No	N/A
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A

Product Code: P18063

Version: 4

Page 3 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: P18063

Version: 4

Page 4 of 7

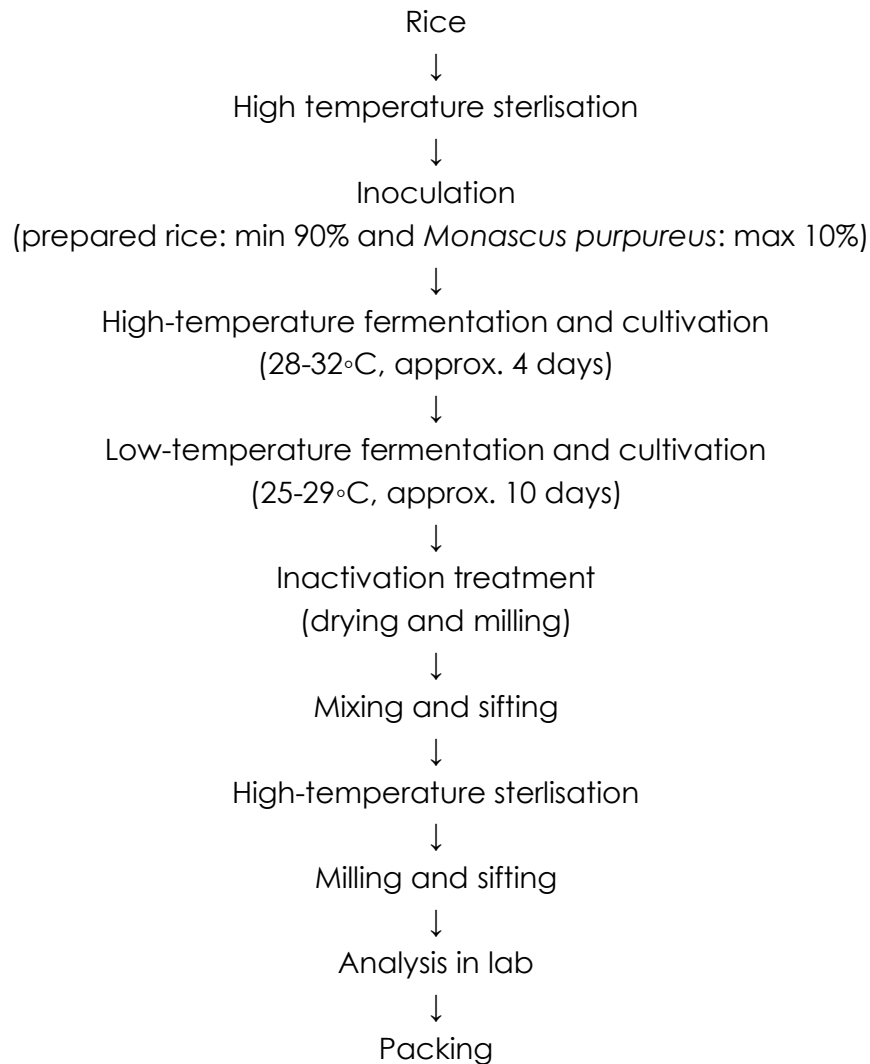
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Flow chart



Product Code: P18063

Version: 4

Page 5 of 7

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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>The following has been amended, due to the supplier updating their specification:</p> <ul style="list-style-type: none"> - Percentage Passed Through has been updated from 100% to Min 90%- The format has been updated - Seasonal variation statement has been added - Sulphate has been removed - Insolubles in Ethanol has been removed - Phosphate Organics has been removed – Pesticides Residues has been removed - Chlorate (Cl) has been removed - E. Coli has been removed - Clostridium has been removed - P.Aeruginosa has been removed - Staphylococcus Aureus has been removed - Aflatoxins has been removed Coliforms has been added - Total Viable Count has been updated from Max 1,000cfu/g to Max 5,000cfu/g 	YES



3	General reformat Additional supplementary technical information Updated flowchart, allergens and additive tables Changes: <ul style="list-style-type: none"> • Sieve analysis from min 90% pass 80 mesh to 95~100% pass 80 mesh • Colour from light reddish to red • Ash from max 10% to max 6% • Yeast and moulds from max 50cfu/g to max 100cfu/g • Salmonella from absent/25g to negative • Lead from max 1ppm to max 1.5ppm • Cadmium from max 1ppm to max 0.5ppm • Arsenic from max 2ppm to 1ppm • Solubility in Alcohol from not soluble to soluble • Solubility in Water from not soluble to slightly soluble Removed pharmacopoeia standard and ratio of material	Yes
4	Updated CAS number from "75330-75-5(Monacolin K)" to "79952-43-5". Updated Ingredient name & Product name from "Red Yeast Rice" to "Red Rice Yeast Powder"	Yes

Document Approval

Originator	Approver
 Mel Lee Quality Administrator	 Cecilia Anzani Senior Quality Specialist

Product Code: P18063

Version: 4

Page 7 of 7

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