

Product Technical Dossier

Product	Gamma Oryzanol
CCL Product Code	P0702

Specification Details

	Specification
Identification	Positive
Assay (UV)	Gamma Oryzanol 98 – 102%
Appearance	Powder
Colour	White to off white
Aroma	Characteristic
Flavour	Characteristic
Sieve Analysis	Min 90% through 60 Mesh
Loss on Drying	Max 0.8%
Ash	Max 0.2%
Bulk density	Min 0.15g/ml
Tapped Density	Min 0.25g/ml

Microbiological Limits

Total Viable Count	Max 1,000cfu/g
Yeasts & Moulds	Max 100cfu/g
E. Coli	Negative/10g
Salmonella	Negative/25g
Staphylococcus aureus	Negative/10g

Heavy Metal Limits

Total Heavy metals	Max 10ppm
Lead (Pb)	Max 1ppm
Cadmium (Cd)	Max 1ppm
Mercury (Hg)	Max 0.1ppm
Arsenic (As)	Max 1ppm

Product Code: P0702

Version: 2

Page 1 of 7

Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association
Organic . Halal . Kosher .

For a full range of our accreditations visit www.cambridgecommodities.com/quality-accreditations/certificates



+44 (0) 1353667258 | www.cambridgecommodities.com | enquiries@cambridgecommodities.com

Additional Technical Information

Raw Material Full Botanical Name	Rice Bran / <i>Oryza sativa</i> L.
The material is Food Grade	Yes
Solvent used	Methanol
Extract Ratio (5:1 would mean 5 kg raw material makes 1 kg powder)	300-500:1
Melting Point	135~137 °C
Country of Origin	China
Country of Manufacture	China
Solubility in Water	Insoluble
CAS Number	11042-64-1
Average Molecular weight	602.89
Molecular Formula	C40H58O4
EC/EINECS Number	600-960-6
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	% composition	Source
Gamma Oryzanol	100%	Rice Bran / <i>Oryza sativa</i> L.

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	3757kJ/898kcal
Fat (g)	99.8g
Carbohydrate (g)	0.0g
-Of which Sugars (g)	0.0g
Fibre (g)	0.5g
Protein (g)	<0.1g
Salt (g)	0.00g

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 and Food Intolerances

Allergens	Product Contains YES/NO	Handled at Manufacture site YES/NO	Please see risk rating A to E listed below
Peanuts and Peanut Derivatives (including possible cross contamination)	No	No	E
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	E
Sesame Seeds and Sesame Seed Derivatives	No	No	E
Milk and Milk Derivatives (including lactose)	No	No	E
Egg and Egg Derivatives	No	No	E
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	No	No	E
Soya and Soya Derivatives	No	No	E
Lupin and Lupin Derivatives	No	No	E
Mustard and Mustard Derivatives	No	No	E
Celery or Celery Derivatives (including Celeriac)	No	No	E
Fish and Fish Derivatives	No	No	E
Molluscs and their Derivatives	No	No	E
Crustaceans and their Derivatives	No	No	E
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	No	E

A - Risk of contact at source during harvesting and may contain traces

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	E
Antioxidants	No	No	E
Ethylene Oxide	No	No	E
Gelatine	No	No	E
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	E
Maize / Corn and any Derivatives	No	No	E
Legumes / Pulses	No	No	E
Rice and Rice Derivatives	Yes	Yes	Source from Rice Bran
Added Salt	No	No	E
Added Sugar / artificial or natural sweeteners	No	No	E
Aspartame	No	No	E
BHA / BHT (E320 / E321)	No	No	E
Caffeine	No	No	E
Colours (Artificial / Nature Identical / Natural / Smoked)	No	No	E
Dextrose	No	No	E
Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	No	No	E
Fruits (Kiwi fruit, orange, banana, apple, peach)	No	No	E
Polyols (sugar alcohols)	No	No	E
Grapefruit	No	No	E
Sorbic Acid (E200, E203)	No	No	E
Any other Preservatives	No	No	E
Ethanol	No	No	E

Product Code: P0702

Version: 2

Page 3 of 7

**Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association
Organic . Halal . Kosher .**

For a full range of our accreditations visit www.cambridgecommodities.com/quality-accreditations/certificates



+44 (0) 1353667258 | www.cambridgecommodities.com | enquiries@cambridgecommodities.com

Honey	No	No	E
Lactose	No	No	E
Yeast and Yeast Derivatives	No	No	E
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	E
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	E
Matsutake mushroom and Derivatives	No	No	E
Yam and Derivatives	No	No	E
Buckwheat and Derivatives	No	No	E
Palm Oil and Derivatives	No	No	E
Coconut and Derivatives	No	No	E

- A - Risk of contact at source during harvesting and may contain traces
- 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

Product Code: P0702

Version: 2

Page 4 of 7

**Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association
Organic . Halal . Kosher .**

For a full range of our accreditations visit www.cambridgecommodities.com/quality-accreditations/certificates



+44 (0) 1353667258 | www.cambridgecommodities.com | enquiries@cambridgecommodities.com

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 Code: P0702

Version: 2

Page 5 of 7

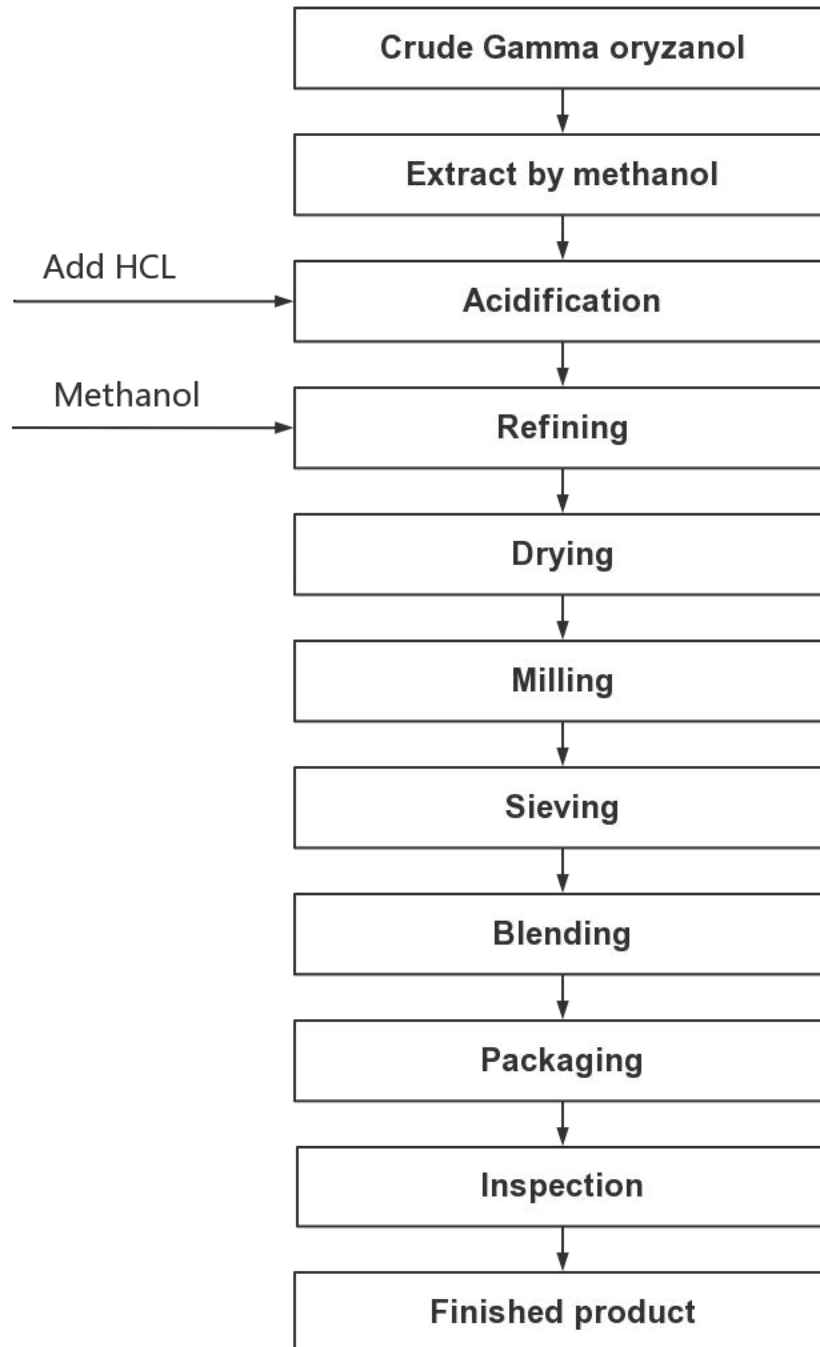
**Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association
Organic . Halal . Kosher .**

For a full range of our accreditations visit www.cambridgecommodities.com/quality-accreditations/certificates



+44 (0) 1353667258 | www.cambridgecommodities.com | enquiries@cambridgecommodities.com

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	Updated Product Flow Chart Added Additional Supplementary Technical Information Changed E-Coli from Negative/1g to Negative/10g, Cadmium from Max 0.5ppm to Max 1ppm, Shelf life from Min 3 Years to Min 2 Years, Cas Number from "12738-23-7" to "11042-64-1" & Rice and Rice Derivatives in Additives table to state "Yes" Product contains, "Yes" Item is listed on site & "Source from Rice Bran" for risk of cross contamination.	Yes

Document Approval

Originator	Approver
 Mel Lee Quality Administrator <small>04/07/2022 11:25</small>	 C White Senior Quality Specialist <small>04/07/2022 12:17</small>

Product Code: P0702

Version: 2

Page 7 of 7

Committed to meeting quality standards. BRC Food Safety . FEMAS . FSMA . Informed Manufacturer. Soil Association Organic . Halal . Kosher .

For a full range of our accreditations visit www.cambridgecommodities.com/quality-accreditations/certificates



+44 (0) 1353667258 | www.cambridgecommodities.com | enquiries@cambridgecommodities.com