

PRODUCT TECHNICAL DOSSIER

5-METHYL-7-METHOXYISOFLAVONE

Product Code:

P1318

Raw Material Full Name:

5-Methyl-7-Methoxyisoflavone

Raw Material Full Botanical/Chemical/Latin/Trade Name/Synonyms:

5-Methyl-7-Methoxyisoflavone

This material is Food Grade:

Yes

Spectrograph:

Checked by H-NMR

Limit/Range/Specification:

Min 99%

CAS Number:

82517-12-2

Molecular Formula for the raw material:

C₁₇H₁₄O₃

Average Molecular weight:

266.29636

Solubility in Water:

Insoluble

Solubility in Alcohol:

Easily Soluble

Particle Size:

80 Mesh

Percentage passed through:

Min 50%



Melting Point:

116 – 119oC

Residual Solvent Ethanol:

Max 0.5%

Loss on Drying:

Max 0.3%

Residue on Ignition:

Max 0.2%

Country of Origin:

China

Country of Origin of the Manufacture:

China

Base Source/Start Material:

3,5-Dihydroxytoluene, phenylacetonitrile

Origin of Product – Synthetic, Plant, Mineral, Animal, Fish or Fermented:

Synthetic

Synthetic: What are the starting materials of the synthesis and their sources?

3,5-Dihydroxytoluene, phenylacetonitrile

Compound Ingredients Origin, Function and Percentages:

None

Shelf Life from Date of Manufacture:

Min 3 Years

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.

Appearance (Fine/Crystals/Crystalline/Hygroscopic):

Fine Powder

Colour:

White to Off White



Flavour/Taste:

Characteristic

Odour:

Characteristic

Microbiological Test

Total Viable Count:

Max 1000cfu/g

Yeast & Moulds:

Max 100cfu/g

E. coli:

Negative

Coliform:

Max 10cfu/g

Salmonella:

Negative

Staphylococcus Aureus:

Negative

Heavy Metals

Heavy Metals:

Max 10ppm

Lead (Pb):

Max 3ppm

Cadmium (Cd):

Max 0.3ppm

Mercury (Hg):

Max 0.1ppm

Arsenic (As):

Max 3ppm



Chromium (VI):

Max 2ppm

Pharmacopeia Standard Used:

CP

There are no nuts in this recipe; however, we cannot guarantee that the raw materials entering the site are nut free.

Please note that surveillance testing may mean that not all the parameters stated on this specification are tested for every batch.

| ALLERGENS | Product Contains YES/NO | Listed Item on Site at Manufacturer YES/NO | If YES, Please Comment |
|---|-------------------------|--|------------------------|
| Peanuts and Peanut Derivatives (including possible cross contamination) | No | No | |
| Other 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 | |
| Sesame Seeds and Sesame Seed Derivatives | No | No | |
| Other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds) | No | No | |
| Milk and Milk Derivatives (including lactose) | No | No | |
| Egg and Egg Derivatives | No | No | |
| Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barley grass)</i> | No | No | |
| Soya and Soya Derivatives | No | No | |
| Lupin and Lupin Derivatives | No | No | |
| Mustard and Mustard Derivatives | No | No | |
| Celery or Celery Derivatives (including Celeriac) | No | No | |
| Fish and Fish Derivatives | No | No | |
| Molluscs and their Derivatives | No | No | |
| Crustaceans and their Derivatives | No | No | |
| Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre | No | No | |

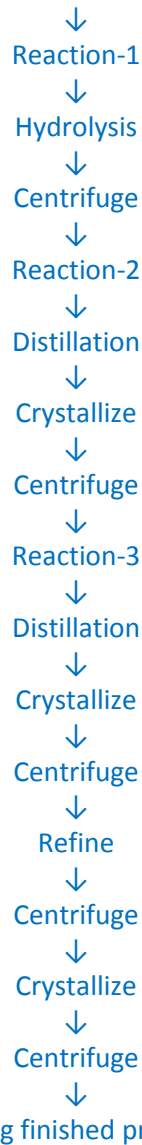


| ADDITIVES / CONTAMINANTS / DIETARY REQUIREMENTS | Product Contains YES/NO | Listed Item on Site at Manufacturer YES/NO | If YES, Please Comment |
|--|-------------------------|--|------------------------|
| Additives | No | No | |
| Antioxidants | No | No | |
| Ethylene Oxide | No | No | |
| Gelatine | No | No | |
| Flavourings (Artificial / Nature Identical / Natural / Smoked) | No | No | |
| Maize / Corn and any Derivatives | No | No | |
| Legumes / Pulses | No | No | |
| Rice and Rice Derivatives | No | No | |
| Added Salt | No | No | |
| Added Sugar / artificial or natural sweeteners | No | No | |
| Aspartame | No | No | |
| BHA / BHT (E320 / E321) | No | No | |
| Caffeine | No | No | |
| Colours (Artificial / Nature Identical / Natural / Smoked) | No | No | |
| Dextrose | No | No | |
| Dioxins | No | No | |
| MSG (Added and Naturally Occurring E621) or Glutamates (E620 to E625) | No | No | |
| Nucleotides (E627, E630, E631, E635) | No | No | |
| Polyols (sugar alcohols) | No | No | |
| Benzoates (E210 / E219) | No | No | |
| Sorbic Acid (E200, E203) | No | No | |
| Any other Preservatives | No | No | |
| Ethanol | Yes | Yes | Used in extraction |
| Honey | No | No | |
| Lactose | No | No | |
| Yeast and Yeast Derivatives | No | No | |
| All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.) | No | No | |
| Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.) | No | No | |



PRODUCTION FLOW CHART

3,5-Dihydroxytoluene, phenylacetonitrile



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.

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.

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 regulations 1829/2003/EC and 1830/2003/EC.

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 1999/3/EC.

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.

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.

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 regulation 86/609/EEC.

CONFIRMATION OF PESTICIDES STATUS

This is to certify that the above-mentioned product complies with the regulation (EC) No.396/2005 of 23rd February 2005 and commission Regulation (EU) No. 559/2011 of 7th June 2011 amending annexes II and III of the above Regulation.

CONFIRMATION OF NANOPARTICLE STATUS

This is to certify that unless otherwise stated, the above-mentioned product is free of nanoparticles. Commission Recommendation 2011/696/EU, 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".



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.

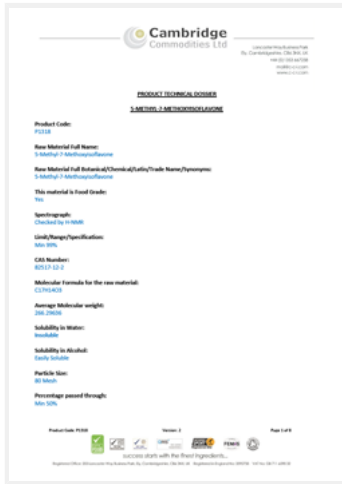
Change History

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| 1 | First Issue | N/A |
| 2 | Format updated. | No |

Document Approval

| Originator Job Title | QC Technician | Approver Job Title | Assistant Quality Manager |
|--|---------------|----------------------|---------------------------|
| <i>Emma Dane</i> Emma Dane (Oct 16, 2017) | | <i>Richard Cecil</i> | |











P1318-5-METHYL-7-METHOXYISOFLAVONE-Technical Dossier

Adobe Sign Document History

10/16/2017

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