

Product Technical Dossier

Product	HydroCurc®
CCL Product Code	P10489

Specification Details

Identification	Specification
Assay (HPLC)	Positive
Appearance	Curcuminoids – Min 85%
Colour	Powder
Aroma	Orange
Flavour	Characteristic of turmeric with slight hints of citrus
	Characteristic of turmeric
Loss on Drying	Max 7%
Bulk Density	0.3-0.6g/ml
Particle Size analysis – 50 milligrams of HydroCurc mixed in 250 ml water	Mean particle size: < 50µm Median particle size: < 45µm % < 10µm in diameter: NLT 10%

Microbiological Limits

Total Viable Count	Max 10,000cfu/g
Yeasts & Moulds	Max 100cfu/g
E. Coli	Negative/g
Salmonella	Negative/10g
Bile-tolerant Gram-negative bacteria	Max 100cfu/g
Staphylococcus aureus	Negative/g

Heavy Metal Limits

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

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FDA number: 16806073982

+44 (0) 1353 667258 | www.c-c-l.com | info@c-c-l.com

Registered in England No: 3590758 VAT No: GB 711 6598 32

Registered office: 203 Lancaster Way Business Park, Ely, Cambridgeshire, CB6 3NX, UK.

Additional Technical Information

Raw Material Full Botanical / Chemical Name	<i>Curcuma longa</i>
Part Used	Rhizomes
The material is Food Grade	Yes
Ratio of Material	25:1
Solvents used	Ethyl acetate, acetone, ethanol
Cultivated / Wild	Cultivated
Harvest Method	Manual
Harvest Period	8 to 10 months after planting
Harvest Stage (age of the plant)	Plant is mature
Countries of Origin	India, Germany, USA, Brazil, Singapore, Australia
Country of Manufacture	Australia
Solubility in Alcohol	Partly soluble
Solubility in Water	Soluble
Tariff Code	0910300000
Shelf Life from Date of Manufacture	Min 3 Years
Pharmacopeia Standard Used	USP
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
Curcumin Extract	Active	≥90%	Rhizomes of the <i>Curcuma longa</i>
LipiSpense®	Delivery system	≤10%	Medium chain triglycerides, Polyglycerol esters of fatty acids, Mono and di-glycerides of fatty acids, Lecithins & Vitamin E acetate
Silica	Compound Ingredient	≤2%	SiO ₂

Nutritional Data

Test	Value per 100g
Energy kJ / Kcal	1485 / 355
Fat (g)	3.05
-Of which Saturates (g)	0
Carbohydrate (g)	65.81
-Of which Sugars (g)	0
Fibre (g)	27.89
Protein (g)	2.07
Salt (g)	0.004

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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	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	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 ternifolia)</i>	No	No	No
Sesame Seeds and Sesame Seed Derivatives	No	No	No
Milk and Milk Derivatives (including lactose)	No	No	No
Egg and Egg Derivatives	No	No	No
Cereals and Derivatives containing OR POTENTIALLY CONTAMINATED WITH Gluten <i>(wheat, wheatgrass, faro, freekeh, spelt, kamut, rye, oats, barley, barleygrass)</i>	Yes	Yes	Product contains oat oil but does not contain gluten
Soya and Soya Derivatives	No	No	No
Lupin and Lupin Derivatives	No	No	No
Mustard and Mustard Derivatives	No	No	No
Celery or Celery Derivatives (including Celeriac)	No	No	No
Fish and Fish Derivatives	No	No	No
Molluscs and their Derivatives	No	No	No
Crustaceans and their Derivatives	No	No	No
Sulphur Dioxide and Sulphites (E220, E228) at levels > 10mg/kg or 10mg/litre	No	No	No

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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	Yes	Product contains E numbers
Antioxidants	Yes	Yes	Product contains Antioxidants
Ethylene Oxide	Yes	Yes	Complies with EP limits
Gelatine	No	No	No
Flavourings (Artificial / Nature Identical / Natural / Smoked)	No	No	No
Maize / Corn and any Derivatives	No	No	No
Legumes / Pulses	No	No	No
Rice and Rice Derivatives	No	No	No
Added Salt	No	No	No
Added Sugar / artificial or natural sweeteners	No	No	No
Aspartame	No	No	No
BHA / BHT (E320 / E321)	No	No	No
Caffeine	No	No	No
Colours (Artificial / Nature Identical / Natural / Smoked)	No	No	No
Dextrose	No	No	No
other Seeds and Seed Derivatives (Poppy Seeds, Cotton Seeds, Sunflower Seeds)	Yes	Yes	Lecithin from sunflower oil
Kiwi fruit	No	No	No
Polyols (sugar alcohols)	No	No	No
Grapefruit	No	No	No
Sorbic Acid (E200, E203)	No	No	No
Any other Preservatives	No	No	No
Ethanol	No	No	No
Honey	No	No	No
Lactose	No	No	No
Yeast and Yeast Derivatives	No	No	No
All Animal Products (Beef, Pork, Poultry or other) and Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	No

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Statements

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

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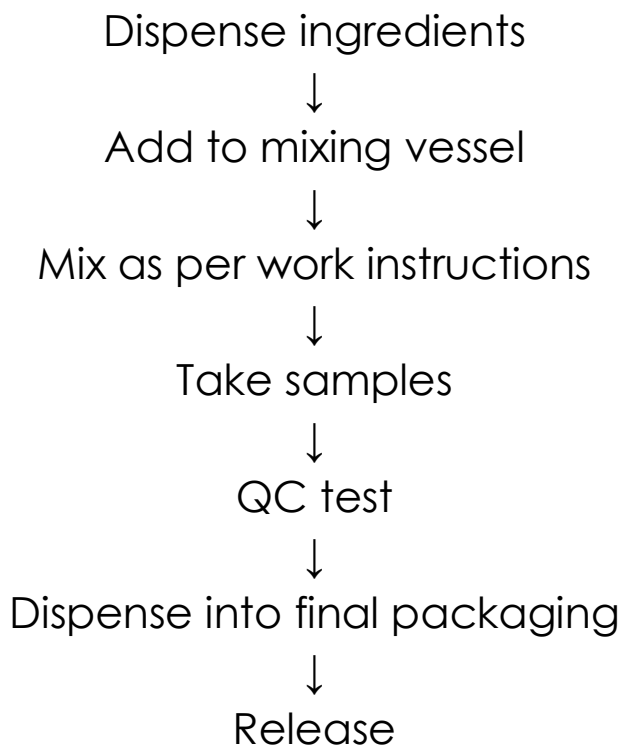
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Product Flow Chart



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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	The ingredient E476 Polyglycerol polyricinoleate was amended to E475 polyglycerol esters of fatty acids due a clerical error in the supplier's specification.	Yes
3	Added bile-tolerant gram-negative bacteria and Staphylococcus aureus specifications. Removed total heavy metals specification. Changed solubility in water from insoluble to soluble and the composition of LipiSperce®. Confirmed the product contains Oat Oil in the Allergen table.	Yes
4	Bulk Density Changed from Approx. 0.55g/ml to 0.3-0.6g/ml.	Yes
5	Changed loss on drying from max 2% to max 7% Added PAH statement	Yes
6	Added does not contain gluten statement to allergen table	Yes

Document Approval

Originator	Approver
 Chloe Binns Quality Apprentice 22/03/2021 16:37	 Cecilia Anzani Senior Quality Specialist 22/03/2021 16:46

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