

Product Technical Dossier

Product	Vitamin D3 (100,000iu/g CWD)
CCL Product Code	P2217

Specification Details

	Specification
Identification	Positive
Assay	Min 100,000iu/g
Appearance	Powder
Colour	White to Off White/Yellowish
Aroma	Characteristic
Flavour	Characteristic
Sieve Analysis % passed	Min 90% Pass 60 Mesh
Loss on Drying	Max 5%

Microbiological Limits

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

Heavy Metal Limits

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

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Additional Technical Information

Raw Material Full Botanical / Chemical Name	Cholecalciferol
Part Used	Sheep's Wool
The material is Food Grade	Yes
Country of Origin	China
Country of Manufacture	China
Solubility in Alcohol	Slightly soluble
Solubility in Water	Practically insoluble in Water, swells or forms a dispersion in water
Average Molecular weight	384.64
Molecular Formula	C ₂₇ H ₄₄ O
CAS Number	67-97-0
EC/EINECS Number	200-673-2
Shelf Life from Date of Manufacture	Min 2 Years
Pharmacopeia Standard Used	USP/EP
Suitable for Vegetarians?	Yes
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
Vitamin D3 Crystal	Main ingredient	0.25-0.30%	Lanolin from Sheep Wool
Vegetable Oil	Carrier	1-15%	Corn or Sunflower
Modified Starch	Carrier	10-50%	Corn
Sucrose	Carrier	0-15%	Sugarcane
Maltodextrin	Carrier	25-70%	Corn
Sodium Ascorbate	Antioxidant	0.5-5%	Synthetic
Tocopherol (E306)	Antioxidant	0.5-5%	Soybean
Silicon Dioxide	Anti-caking	0-3%	Chemical Reaction

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	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, barley grass)</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	Yes	Yes	Sodium Ascorbate, Tocopherol (E306) Silicon Dioxide, Modified Starch
Antioxidants	Yes	Yes	Sodium Ascorbate, Tocopherol (E306),
Ethylene Oxide	No	No	N/A
Gelatine	No	No	N/A
Flavourings (Artificial / Nature Identical / Natural / Smoked)	Yes	Yes	In composition
Maize / Corn and any Derivatives	Yes	Yes	Com Starch
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	Yes	Yes	Sucrose
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
grape fruit	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	Sheep's wool, not present in final product.
Bovine Products or Derivatives (which may include growth/yield hormones, antibiotics etc.)	No	No	N/A



Compliance 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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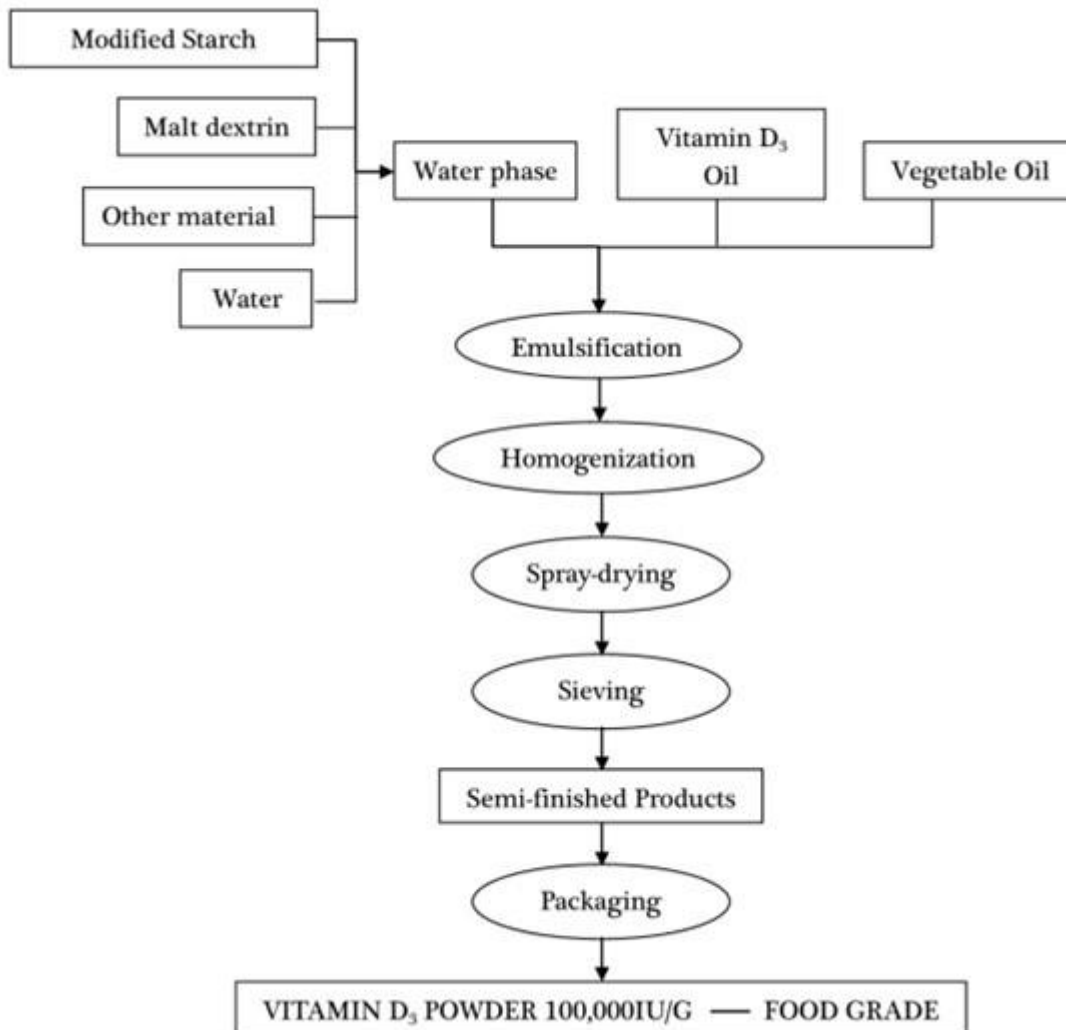
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Product Flow Chart



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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	Food Intolerance Information, MSDS and the format have been updated. The following information has been added: - Synonym of this material - Solvent Used (Ethanol) - Nutritional Information - Production Flow Chart	Yes
3	Increased maximum limits for lead, arsenic and cadmium to match EU limits. Removed specification for max heavy metals and chromium.	Yes
4	Shelf updated from 3 years to min 2 years.	Yes
5	Origin of product amended from synthetic to animal source. Change notification not required as the source from sheep's wool is indicated in the vegan description.	No
6	Removed solvents information as Ethanol is not used in the manufacturing process. Amended the following information: <ul style="list-style-type: none"> Coliforms from Negative to Max 0.3 MPN/g, E. Coli from Negative to Negative/10g, Salmonella Negative to Negative/25g, Staphylococcus aureus from Negative to Negative/25g, Production flow chart. Removed the following specification: <ul style="list-style-type: none"> Sieve analysis: 100% through No. 40 Min 45% through No. 100 General reformat.	es
7	Amended product composition. Confirmed in additives etc. table the product contains additives, antioxidants and flavourings and no longer contains other seeds or seed derivatives. Confirmed product is FEMAS assured.	Yes

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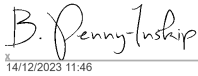
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8	Re-confirmed the vitamin D3 compound ingredient is sourced from lanolin from sheep wool. Confirmed the modified starch compound ingredient is an additive.	Yes
9	Removed FEMAS assured status, this material is no longer FEMAS assured Added ingredient functions to the composition table	Yes
10	Change product name from Vitamin D3 Cholecalciferol 100,000 iu/g CWD to Vitamin D3 Preparation (100,000 iu/g CWD)	Yes
11	Changed Product name from "Vitamin D3 preparation (100,000iu/g CWD)" to "Vitamin D3 (100,000iu/g CWD)"	Yes
12	Changed Animal Products in additives table to state "Yes" it does contain animal products as the source is from sheep's wool.	Yes
13	Added E number (E306) for Tocopherol Updated flow chart to remove CWS Updated Composition Origin, Function and Percentages table Removed Coliforms from Microbiological Limits	Yes

Document Approval

Originator		Approver	
Anne Stevens Quality Administrator	 <small>14/12/2023 11:05</small>	Ben Penny-Inskip Quality Specialist	 <small>14/12/2023 11:46</small>

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