

Certificate of Analysis

Product Name: Vitamin D3 1 Million iu/g Oil

Batch reference: ESBCOA/17122024
Product Code: V201407
Date of Manufacture: 17th December 2024
Expiry: 16th June 2027
Country of Manufacture: UK/China
Country of Supply: UK

Description

Vitamin D3 1 Million IU/g is an oily liquid. It consists of Vitamin D3 (cholecalciferol) within a vegetable extract. α -Tocopherol is added as an antioxidant.

Specifications

Parameter	Specification	Result	Comment
Appearance	Transparent colourless to yellow liquid	Complies	Standard process
Odour	Characteristic	Complies	Astringent characteristic of vegetable oil
Peroxide Value	<10 Meq/Kg	1.6	For information only
Acid Value	NMT 1.0mg KOH/g	Complies	

Analytical

Parameter	Specification	Result	Method
Assay	900,000- 1,100,000iu/g	1,040,220	USP
Heavy Metals	NMT 10ppm	<10ppm	EN ISO 17294
Arsenic	NMT 0.2ppm	<0.1ppm	ICP
Lead	NMT 0.2ppm	<0.1ppm	ICP
Cadmium	NMT 0.2ppm	<0.2ppm	ICP
Mercury	NMT 0.1ppm	<0.1ppm	ICP

Microbiological

Parameter	Specification	Result	Method
Total Plate Count	NMT 1000cfu/g	Conforms	ISO 4833
Yeast & molds	NMT 100cfu/g	Conforms	ISO 7954
Coliform	NMT 10cfu/g	Conforms	ISO 4832
E. Coli	Negative per g	Conforms	ISO 16649
Salmonella	Negative per 25g	Conforms	ISO 6579
Staphylococcus	Negative per g	Conforms	ISO 6888

Stability and storage

Vitashine Vitamin D3 1miu/g is sensitive to air, heat and light. The product may be stored for 30 months from the date of manufacture in the unopened original container (which is sealed under nitrogen) and at a temperature below 25 °C. Once opened, use contents quickly and store below 4°C. The product may be transported at ambient conditions in the unopened original container. If due to cold storage any solid material is present allow to warm to room temperature for 24 hours and shake well before use.

Uses

Health supplements, Nutraceuticals, Food fortification source of Vitamin D3. Not for Medicinal Use.

Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the ESB Developments limited MSDS sheet.