

TECHNICAL DATA SHEET

Vitamin D3 Oil

1MIU/g mT

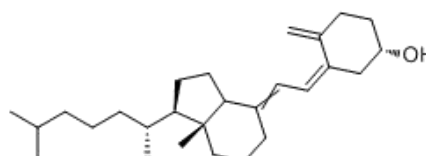
Chemical Properties

CAS No: 67-97-0;

EINECS No.: 200-673-2

Chemical Formula: C₂₇H₄₄O

Molecular Weight: 384.64



Description

Vitamin D3, also known as Cholecalciferol, has the physiological function to promote intestinal calcium absorption, regulate calcium and phosphorus metabolism and induce bone calcium and phosphorus calm, as well as promote bone growth and prevent rickets.

Solubility

Easily degraded to a lower content in the air or sunlight. Easily soluble in ethanol, ether, chloroform and acetone, slightly soluble in plant oil and insoluble in water.

Specification

Item	Specification	Test Method
Appearance	Pale yellow or yellow clear oil	Visual
Identification		
TLC	The color and position of the analyte spot on the TLC plate of test solution corresponds to that of reference solution.	TLC
HPLC	The retention time of the major peak in the chromatogram of assay preparation corresponds to that in the chromatogram of the reference preparation.	HPLC
Assay	Min 1,000,000 IU/G	HPLC
Acid Value	Max 2.0mgKOH/g	GB/T 5530
Peroxide Value	Max 20.0meq/kg	GB/T 5538
Heavy metal	Max 10.0ppm	USP<231>II;Ph.Eur.2.4.8
Total plate count	Max 1,000cfu/g	GB 4789.2
Mold and yeast	Max 100cfu/g	GB 4789.15
Coliforms	Max 30MPN/100g	GB 4789.3

Ingredients

Vitamin D3, Vitamin E 1.0%, Soybean Oil 96.5%. (T is short for Vitamin E, m is short for soybean oil)

Labeling

In the United States and the European Union:Vitamin D3

Applications

Be used as food additives.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

During transportation, it should prevent violent vibration, and keep moisture-proof, waterproof and sunlight-proof. Stored in dry and clean warehouse, unfavorable open piled up.

Packaging, Storage &Shelf Life

Package	25kg/drum, 5kg/ aluminum tin;or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf life	1 year if sealed and stored properly.