

TECHNICAL DATA SHEET

Vitamin D3

0.25MIU/g CWS

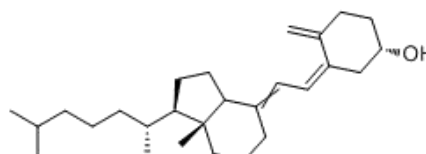
Chemical Properties

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

Dispersion in water

Specification

Item	Specification	Test Method
Appearance	White or yellowish-white free flowing beadlets	Visual
Identification		
TLC	The color and position of the analyte spot on the TLC plate of test solution corresponds to that of reference solution.	In-house
HPLC	The retention time of the major peak in the chromatogram of assay preparation corresponds to that in the chromatogram of the In-house reference preparation.	In-house
Assay (HPLC)	Min 250,000 IU/G	In-house
Particle Size	Min 85% through 40mesh(425µm).	In-house
Loss on drying	Max 5.0%	In-house
Heavy metal	Max 20.0ppm	In-house
Arsenic	Max 1.0ppm	In-house
Total plate count	Max 3000cfu/g	In-house
<i>E. Coil</i>	Negative	In-house
<i>S. Aureus</i>	Negative	In-house

Ingredients

Vitamin D3, starch, gelatin

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 or carton; or according to customers' requirements.
Storage	Should be preserved at room temperature and avoided light.
Shelf life	1 year if sealed and stored properly.