

SPECIFICATION

Vitamin D3 100.000 I.U./g SD CWS/A Food grade (EP/USP)

Production unit

Xinchang NHU Vitamins

Description

Ingredients

The product consists of Vitamin D3, maltodextrin, gum Arabic, sucrose, octyl and decyl glycerate, sodium ascorbate and dl-a-tocopherol as antioxidants, silicon dioxide as anti-caking agent

Synonym

Cholecalciferol, Colecalciferol

Formula

$C_{27}H_{44}O$

Product code

SP03-02

CAS No

67-97-0

Properties

Shelf life

24 months after production date,
in unopened original packaging

Aspect

white or off-white free flowing powder.

Assay

Min. 100.000 I.U./g

Loss on drying

Max. 6,0 %

Solubility

Dispersible in cool water forming a milky emulsion

Sieve analysis

100 % through sieve no. 40 (US)
≥ 90 % through sieve no. 40 (US)
≤ 45 % through sieve no. 100 (US)

Identification

EP:

First identification: A, C
Second identification: A, B
A: Thin-Layer chromatography
B: Ultraviolet and visible absorption spectrophotometry
C: Examine the chromatograms obtained in the assay

USP:

A. Infrared absorption
B. Ultraviolet absorption
C. a bright red colour is produced, and it rapidly changes through violet and blue to green
D. Thin-Layer chromatography

Heavy metals

Max. 10 mg/Kg

Arsenic (As)

Max. 1 mg/Kg

Lead (Pb)

Max. 0,5 mg/Kg

Microbiological specs

Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 0,3 MPN/g
Salmonella	Negative (in 25 g)

Handling

Stability Material is sensitive to moisture, oxygen, heat and light
Once opened, use contents quickly

Storage Store in a cool and dry place.
Recommended storage temperature: below 25°C

Transport instructions See our latest safety data sheet

Handling

Usage for cosmetic and food industry

NHU EUROPE GmbH