

SPECIFICATION

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

Production unit

Xinchang NHU Vitamins

Description

Ingredients

The product consists of Vitamin D3 (Ph.Eur./USP), gum Arabic, sucrose, corn starch, octyl and decyl glycerate, sodium ascorbate and tocopherol as antioxidant, silicon dioxide as anti-caking agent

Synonym

Cholecalciferol, Colecalciferol

Formula

$C_{27}H_{44}O$

Product code

SP03-04

CAS No

67-97-0

Properties

Shelf life

24 months after production ate in unopened original packaging

Aspect

white or off-white free flowing microcapsule

Assay

Min. 100.000 I.U./g

Loss on drying

Max. 5,0 %

Solubility

Dispersible in cool water forming a milky emulsion

Sieve analysis

100 % through sieve no. 20 (US)
≥ 90 % through sieve no. 40 (US)
≤ 15 % 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. The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the assay.
D. Thin-Layer chromatography

Heavy metals

Arsenic (As)

max. 10 mg/Kg

Lead (Pb)

max. 1,5 mg/Kg

Cadmium

max. 0,5 mg/Kg

Mercury

max. 0,5 mg/kg

max. 0,1 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

Usage for food industry

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

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

Transport instructions please see our latest MSDS

Classified as **hazardous substance** as per EU regulation.

NHU EUROPE GmbH

D3 100 CWS-A/SP03-04/üa und fgg: 170222/av

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