

SPECIFICATION

Product name Vitamin D3 100.000 I.U./g CWS/A Food Grade (USP/EP)
Product code SP03-04
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 $C_{27}H_{44}O$

Molecular weight 384,7 g/mol

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

Identification

EP: A. the UV spectrum of the principal peak in the chromatogram obtained with the test solution is similar to the UV spectrum of the principal peak in the chromatogram obtained with reference solution (a)
B. the principal peak in the chromatogram obtained with the test solution is similar in retention time to the principal peak in the chromatogram obtained with reference solution (a)

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.

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)

Heavy metals
Arsenic (As) max. 10 mg/Kg
Lead (Pb) max. 1,0 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