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TO WHOM IT MAY CONCERN

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SPECIFICATION

Vitamin D3 100.000 I.U./g SD CWS/A Food Grade (USP41/EP9)

Ingredients

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 ate in unopened original packaging

Aspect

white or off-white free flowing powder.

The product consists of Vitamin D3 (PhEur./USP), maltodextrin, Gum Arabic, sucrose, octyl and decyl glycerate, sodium ascorbate and dl-a-tocopherol as antioxidants, silicon dioxide as anti-caking agent

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. 2 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
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Storage	Store in a cool and dry place. Recommended storage temperature: below 25°C
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Transport instructions	See our latest safety data sheet
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MSDS	Yes
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classified as hazardous as per EU regulation	No
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