



NHU EUROPE GmbH, Daimlerstrasse 14-16, D-21357 Bardowick

TO WHOM IT MAY CONCERN

NHU EUROPE GmbH
Daimlerstrasse 14-16
21357 Bardowick
Deutschland

Telefon: + 49 4131 58088-00
E-Mail: info@nhu-eu.com

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SPECIFICATION

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

Ingredients

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 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
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. 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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