

Version: 10.00.0000
Date: 10.07.23

SPECIFICATION

Vitamin A 325.000 I.U./g SD CWS/S Food Grade

Production unit

Xinchang NHU Vitamins

Description

Ingredients

The product consists of Vitamin A acetate Ph.Eur./USP/FCC, modified starch, maltodextrin, sucrose, corn oil, sodium ascorbate and dl-alpha-tocopherol as antioxidants, silicon dioxide as anti-caking agent

Synonym

Retinyl acetate, all-(E)-3,7-dimethyl-9-2,6,6-trimethyl-1-cyclohex-1-enyl)2,4,6,8-nona tetraene-1-yl Acetate

Formula

$C_{22}H_{32}O_2$

Product code

SP01-07

CAS No

127-47-9

Properties

Shelf life

24 months after production date in unopened original packaging

Aspect

light yellow, free flowing powder

Identification

Thin-Layer chromatography (EP)

A: Colour reaction with antimony III (USP)

B: Thin Layer chromatography (USP)

Assay

Min. 325.000 IU/g

Loss on drying

Max. 5,0 %

Solubility

Dispersible in cool water forming a milky emulsion

Absorbance ratio

Min. 0,85

Sieve analysis

100 % through sieve no. 40 (US)

Min. 90 % through sieve no. 60 (US)

Max. 45 % through sieve no. 100 (US)

Heavy metals

Max. 10 mg/kg

Arsenic (As)

Max. 1 mg/kg

Lead (Pb)

Max. 0,5 mg/kg

Cadmium (Cd)

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)
Staph. aureus	negative (in 10 g)
Pseudomonas	negative (in 1 g)
Bacillus cereus	negative (in 1 g)

Handling

Stability	The biological activity of vitamin A is reduced by oxidative degradation.
Storage	Sensitive to moisture, oxygen, heat and light Store in a cool (below 15°C) and dry place. Once opened, use contents quickly.

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

NHU EUROPE GmbH

A 325 SD CWS/S/SP01-07/Version 10.00.0001/ 100723/av

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