

SPECIFICATION

Product name Vitamin A 500.000 I.U./g SD CWS/A Food Grade
Product code SP01-12
Production unit Xinchang NHU Vitamins

Description

Ingredients The product consists of Vitamin A acetate, gum Arabic, maltodextrin, sucrose, sodium ascorbate, dl-alpha-tocopherol as antioxidant, silicon dioxide as an 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 C₂₂H₃₂O₂
Molecular weight 328,49 g/mol
CAS No 127-47-9

Properties

Shelf life 24 months after production date in unopened original packaging

Aspect Light yellow, free flowing powder.

Assay (GC) Min. 500.000 I.U./g

Loss on drying Max. 5,0 %

Solubility Dispersible in cool water forming a milky emulsion

Sieve analysis 100 % through sieve no. 40 (US)

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

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

Absorbance ratio Min. 0,85

Identification EP: TLC
USP: A: Colour reaction with antimony III
B: TLC

Heavy metals

Heavy metals max. 10 mg/kg

Arsenic (As) max. 1,0 mg/kg

Lead (Pb) max. 0,5 mg/kg

Cadmium (Cd) max. 0,5 mg/kg

Mercury (Hg) max. 0,1 mg/kg

Microbiological specs

Total plate count	< 1000 CFU/g
Mould and Yeast	< 100 CFU/g
Coliform	< 0,3 MPN/g
Salmonella	negative in 25 g

Handling

Usage for food industry

Stability

Sensitive to moisture, oxygen, heat and light
Once opened, use contents quickly; not used content should be protected by inert gas.

Storage

It is recommended to store in a cool (below 15 °C) and dry place

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

NHU EUROPE GmbH