

SPECIFICATION

Vitamin A 500.000 I.U./g SD CWS/A Food Grade

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

$C_{22}H_{32}O_2$

Product code

SP01-12

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 mg/kg

Lead (Pb)

Max. 0,5 mg/kg

Traces of BHT

Max. 0,1 %

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

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