

SPECIFICATION

Vitamin A 325.000 I.U./g CWS/A Food grade

Production unit

Xinchang NHU Vitamins

Description

Ingredients

The product consists of Vitamin A acetate Ph.Eur./USP/FCC, gum Arabic, sucrose, corn starch, sodium ascorbate and tocopherol as antioxidant, 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

SP01-08

CAS No

127-47-9

Properties

Shelf life

24 months after production date in unopened original packaging

Aspect

Light yellow, free flowing microcapsule.

Assay (GC)

Min. 325.000 I.U./g Vitamin A acetate

Loss on drying

Max. 5,0 %

Solubility

dispersible in cool water forming a milky emulsion

Sieve analysis

100 % through sieve no. 20 (US)

Min. 90 % through sieve no. 40 (US)

Max. 15 % through sieve no. 100 (US)

Identification

Thin-Layer chromatography (EP)

A: Colour reaction with antimony III (USP)

B: Thin Layer chromatography (USP)

Absorbance ratio

Max. 0,85

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

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

The biological activity of vitamin A is reduced by oxidative degradation. Material is sensitive to moisture, oxygen, heat and light

Usage

Used for fortification of food, beverage, etc.

1I.U. = 0.300 μ g vitamin A alcohol = 0.344 μ g vitamin A Acetate

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