

## 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, vegetable 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

Traces of BHT

Max. 0,02 %

**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
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