

SPECIFICATION

Product name	Vitamin A 500.000 I.U./g SD CWS/A
Product code	SP01-12
Production unit	Xinchang NHU Vitamins
Description	
Ingredients	The product consists of Vitamin A acetate (EP), gum Arabic (E414), maltodextrin (FCC), sucrose (FCC), sodium ascorbate (E301), dl-alpha-tocopherol (E307) as antioxidant, silicon dioxide (E551) 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
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)	≥ 500.000 I.U./g
Loss on drying	≤ 5,0 %
Solubility	Dispersible in cool water forming a milky emulsion
Sieve analysis	100 % through sieve no. 40 (US) ≥ 90 % through sieve no. 60 (US) ≥ 45 % through sieve no. 100 (US)
Absorbance ratio	≥ 0,85
Identification	EP: TLC USP: A: Colour reaction with antimony III B: TLC
Heavy metals	
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
Coliforms	< 10 CFU/g
E. coli	negative in 10 g
Salmonella	negative in 25 g
Staph. aureus	negative in 25 g

Handling

Usage For food applications

Stability The biological activity of Vitamin A is reduced by oxidative degradation.

Storage Sensitive to moisture, oxygen, heat and light.
Recommended storage temperature below 15°C and dry place. Once opened, use contents quickly.

Transport See latest safety data sheet

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

The included active ingredient Vitamin A complies with EP, USP and FCC.

NHU Life Science GmbH

