

## SPECIFICATION

<b>Product name</b>	<b>Vitamin A 500.000 I.U./g SD CWS/A Food Grade</b>
<b>Product code</b>	<b>SP01-12</b>
<b>Production unit</b>	<b>Xinchang NHU Vitamins</b>
<b>Description</b>	
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 <sub>22</sub> H <sub>32</sub> O <sub>2</sub>
Molecular weight	328,49 g/mol
CAS No	127-47-9
<b>Properties</b>	
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
<b>Heavy metals</b>	
Arsenic (As)	max. 10 mg/kg
Lead (Pb)	max. 1,0 mg/kg
Cadmium (Cd)	max. 0,5 mg/kg
Mercury (Hg)	max. 0,5 mg/kg
	max. 0,1 mg/kg



### Microbiological specs

Total plate count	< 1000 CFU/g
Mould and Yeast	< 100 CFU/g
Coliforms	< 0,3 MPN/g
E. coli	negative in 10 g
Salmonella	negative in 25 g
Staph. aureus	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 Life Science GmbH

