

SPECIFICATION

Product name	Vitamin A Palmitate 250.000 I.U./g SD CWS/S Food Grade (USP)
Product code	SP02-06
Production unit	Xinchang NHU Vitamins
Description	
Ingredients	The product consists of maltodextrin, modified starch, Vitamin A palmitate, vegetable oil, sodium ascorbate, Butylhydroxytoluol as an antioxidant, silicon dioxide as an anti-caking agent
Synonym	Retinyl palmitate all-(E)-3,7-dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-enyl)nona-2,4,6,8-tetraen-1-yl-palmitate
Formula	$C_{36}H_{60}O_2$
Molecular weight	524,9 g/mol
CAS No	79-81-2
Properties	
Shelf life	18 months after production date, in unopened original packaging
Aspect	Light yellow, free flowing powder
Assay (LC)	Min. 250.000 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)
Identification	Thin-Layer chromatography (EP) A: Colour reaction with antimony III (USP) B: Thin-Layer chromatography (USP)
Absorbance ratio	min. 0,85 (USP)
Heavy metals	max. 10 mg/kg
Arsenic (As)	max. 1 mg/kg
Lead (Pb)	max. 0,5 mg/kg
Cadmium (Cd)	max. 0,5 mg/kg
Mercury (Hg)	max. 0,1 mg/kg

BHT 1,0 – 2,0 %

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

Stability Material is sensitive to moisture, oxygen, heat and light
Once opened, use contents quickly

Storage It is recommended to store in a cool (below 15 °C) and dry place.

Transport instructions please see our latest safety data sheet

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

NHU EUROPE GmbH