

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

BHT

1,0 – 2,0 %

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 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