

SPECIFICATION

Vitamin A 1.700.000 I.U./g Palmitate (EP/USP)

Production unit

Shangyu NHU Biochem Co., Ltd.

Description

Synonym

Retinyl Palmitate, Vitamin A, Vitamin A 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

$C_{36}H_{60}O_2$

Product code

YYPY11

CAS No

79-81-2

Properties

Ingredients

Retinyl palmitate, DL-Alpha-Tocopherol as antioxidant

Shelf life

24 months after production date in unopened original packaging

Aspect

A fat-like, light yellow solid or a yellow oily liquid

Assay (GC)

Min. 1.700.000 IU/g

Solubility

practically insoluble in water, soluble or partly soluble in anhydrous ethanol and miscible with organic solvents

Identification

TLC (Ph. Eur.)

Acid value

Max. 2,0 KOH/g (Ph. Eur.)

Peroxide value

Max. 10 meq/kg (Ph. Eur.)

Retinol

Max. 1,0 %

Absorbance ratios

> 0,85

Related substances

$A_{300}/A_{326} < 0,60$

$A_{350}/A_{326} < 0,54$

$A_{370}/A_{326} < 0,14$

TPPO

< 100 ppm

Antioxidant

DL-Alpha-Tocopherol/Alpha-Tocopherol (1b307/E307)

Residual Solvents

Meets the USP requirements

Heavy metals

Max. 10 mg/kg

Arsenic (As)

Max. 1 mg/kg

Lead (Pb)

Max. 1 mg/kg

Mercury (Hg)

Max. 0,1 mg/kg

Cadmium (Cd)

Max. 1 mg/kg

Traces of BHT

Max. 0,1 %

Handling

Stability

Vitamin A palmitate is very sensitive to the action of air, oxidising agents, light and heat, it should be stored in the unopened original containers.

Usage

cosmetic and food use; product can also be used as feed additive, which consists of retinyl palmitate (3a672b) and alpha-tocopherol (1b307) as antioxidant

Storage

Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible. Store in a cool and dry place.

Transport instructions

See our latest safety data sheet

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

NHU EUROPE GmbH