

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

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 sensitive to atmospheric oxygen, light and heat, it should be stored in the unopened original containers.

Usage

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