

## 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

##### Acid value

Max. 2,0 (Ph. Eur.)

##### Peroxides

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**