



NHU EUROPE GmbH, Daimlerstrasse 14-16, D-21357 Bardowick

TO WHOM IT MAY CONCERN

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SPECIFICATION

Vitamin A 1.000.000 I.U./g Palmitate (Pharma USP40/EP9)

Ingredients

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

$C_{36}H_{60}O_2$

Product code

YYPY13

CAS No

79-81-2

Properties

Shelf life

24 months after production date in unopened original packaging

Aspect

A fat-like, light yellow solid or oily liquid

Product consists of retinyl palmitate (3a672b), alpha-tocopherol (1b307) as antioxidant and sunflower oil as dilution

Assay (GC)

Min. 1.000.000 IU/g

Absorbance ratio

Min. 0,85 (USP procedure 1)

Acid value

Max. 2,0 (Ph. Eur.)

Peroxides

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

Heavy metals

Max. 10 mg/Kg

Arsenic (As)

Max. 1 mg/Kg

Traces of BHT

Max. 0,1 %

Retinol

Max. 1,0 %

Related substances

A_{300}/A_{326} – max 0,60

A_{350}/A_{326} – max. 0,54

A_{370}/A_{326} – max. 0,14

TPPO

max 100 ppm



Antioxidant	DL-Alpha-Tocopherol/Alpha-Tocopherol (1b307/E307)
Residual Solvents	Meets the USP requirements
Handling	
Stability	Vitamin A palmitate is sensitive to atmospheric oxygen, light and heat.
Storage	It should be stored in the unopened original container at a temperature below 15°C. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible.
Transport instructions	See our latest safety data sheet
MSDS	Yes
classified as hazardous as per EU regulation	Yes, as hazardous substances

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