



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

TO WHOM IT MAY CONCERN

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SPECIFICATION

Vitamin A 1.700.000 I.U./g Palmitate (Pharma USP40/EP9)

Ingredients

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

Shelf life

24 months after production date in unopened original packaging

Aspect

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

Usage

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

Assay (GC)

Min. 1.700.000 IU/g

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

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 %

Retinol

Max. 1,0 %



Absorbance ratios	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, it should be stored in the unopened original containers.
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
MSDS	Yes
classified as hazardous as per EU regulation	Yes, as hazardous substances

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