

# Vitamin A-Palmitate 1.0 Mio IU/G stabilized with BHT

## Chemical names of active ingredient

Retinyl palmitate, all-trans retinol palmitic acid ester, all-trans-retinyl palmitate

**CAS-No.** 79-81-2

**EINECS-No.** 201-228-5

**PRD-No.**  
30041040\*

\* The product is kosher and halal.

## Article

50563954 4x5 kg plastic can in box

55798705 25 kg plastic bucket

## Country of origin

Germany

## Units

1 International Unit (IU) = 0.550 µg  
vitamin A-palmitate

## Description

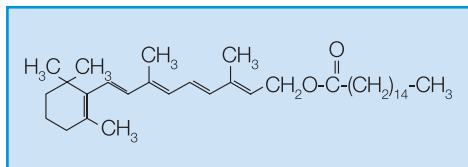
Viscous, yellow oil at room temperature. At the recommended storage temperatures, some of the vitamin A-palmitate may crystallize. The assay is adjusted by adding pharmaceutical-grade sunflower oil.

## Composition

Retinyl palmitate (vitamin A-palmitate), sunflower oil, butylated hydroxytoluene (BHT, E 321)

## Solubility

Soluble in hydrocarbons, chlorinated hydrocarbons, ethers, fats, and oils. The solvent should not contain peroxides. Insoluble in water.



$C_{36}H_{60}O_2$

Molar mass 524.9 g/mol

## Specification

Assay	min. 1.0 million IU vitamin A (= 300,000 µg RAE) per gram
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For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Unless otherwise stated, the methods of analysis can be found in the Ph. Eur.

## Monographs

The product complies with the current "Vitamin A concentrate (oily form), synthetic" Ph. Eur., "Vitamin A" USP, FCC III and "Vitamin A concentrate Oil" IP monographs.

## Regulations

The product meets the regulatory requirements for a vitamin A source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

## Stability

Vitamin A-Palmitate 1.0 million IU/g is stabilized with approx. 10 mg butylated hydroxytoluene (BHT, E 321) per 1.0 million IU. Stored in its unopened original packaging in a cool (max. 15 °C), dry place, the product is stable for at least 36 months.

### Storage/Handling

As vitamin A is sensitive to atmospheric oxygen, light, moisture, and heat, it should be stored in a cool, dark place in the unopened original packaging. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining contents as quickly as possible.

Prior to use or sampling, the product must be heated to 40 °C in the unopened container and homogenized.

### Applications

#### Dietary supplements:

For preparations with a lipophilic base, e.g., soft gelatin capsules.

#### Pharmaceutical products:

Active Substance Master File (ASMF) is available.

#### Food products:

Used for the fortification of fatty foods, such as margarine, spreads, oils, milk, and dairy products. Quantities of 3 – 9 mg (10,000 – 30,000 IU) of vitamin A, calculated as retinol, are usually added per kg of margarine. The regulations governing the use of BHT must be observed.

### Note

Vitamin A-Palmitate 1.0 Mio IU/G stabilized with BHT in oil must be handled in accordance with the Safety Data Sheet.

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