

Vitamin A-Palmitate 1.7 Mio IU/G stabilized with Tocopherol

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.
30041031*

* The product is kosher and halal.

Article

50563952 4x5 kg plastic can in box
55800242 25 kg plastic bucket

Country of origin

Germany

Units

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

Description

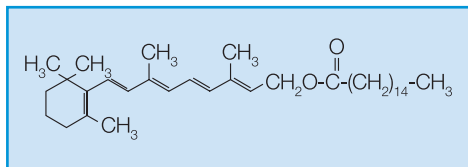
Viscous, yellow oil at room temperature. At the recommended storage temperatures, some of the vitamin A-palmitate may crystallize.

Composition

Retinyl palmitate (vitamin A-palmitate), DL-alpha-tocopherol (E 307)

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. 1.7 million IU vitamin A
(= 510,000 µg RAE) per gram

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 1.7 million IU/g is stabilized with approx. 10 mg of DL-alpha-tocopherol (E 307) 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 in a water bath 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.

Note

Vitamin A-Palmitate 1.7 Mio IU/G stabilized with Tocopherol must be handled in accordance with the Safety Data Sheet.

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