

## Product Information

### Product Data Sheet

# Vitamin A Palmitate 1.0 MIU/g (stabilized with tocopherol)

Product code: 0431400

## Description

Vitamin A Palmitate 1.0 MIU/g is an oily liquid, which may crystallize on storage. It consists of pure vitamin A palmitate in peanut oil, and contains *dl*- $\alpha$ -tocopherol as an antioxidant.

## Product identification

Product code: 0431400

Chemical name: all-*trans*-3,7-dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-nonatetraene-1-yl palmitate

Synonyms: retinyl palmitate; all-*trans*-vitamin A palmitate; vitamin A palmitate

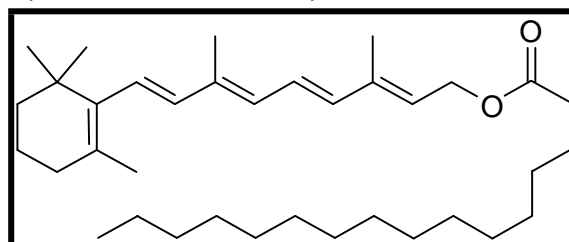
CAS No.: 79-81-2

EINECS No.: 201-228-5

INCI name: Retinyl Palmitate (and) Arachis Hypogaea (Peanut) Oil (and) Tocopherol

Empirical formula: C<sub>36</sub>H<sub>60</sub>O<sub>2</sub>

Molecular mass: 524.87 g/mol



## Specifications

Appearance:	oily liquid
Colour:	yellow or brownish-yellow
Peroxide value:	max. 10.0 mEq/kg
Acid value:	max. 2.0 mg KOH/g
Identity for vitamin A palmitate:	corresponds
Identity for tocopherol:	corresponds
Vitamin A activity:	min. 1.00 MIU/g

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### Stability and storage

Vitamin A Palmitate 1.0 MIU/g is sensitive to air, heat and light. The product may be stored for 24 months from the date of manufacture in the unopened original container (which is sealed under nitrogen) and at a temperature below 15°C. The 'best use before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

### Uses

For food and cosmetic preparations.

### Compendial compliance

Vitamin A Palmitate 1.0 MIU/g meets all requirements of the USP, FCC and Ph. Eur. when tested according to these compendia.

### Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

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## Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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