

# Dry Vitamin A-Palmitate 500

## 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.

30041047

## Article

50048562 25 kg bag in box

## Country of origin

Denmark

## Units

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

## Description

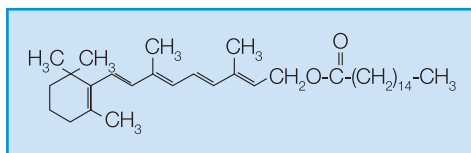
Free-flowing, light-yellow powder, consisting of spherical particles.

## Composition

Ingredients in descending order of weight: vitamin A-palmitate, sucrose, gelatin, modified starch, t-butyl-hydroxytoluene (BHT), sodium aluminum silicate.

## Solubility

Dispersible in warm water (35 – 40 °C), to form a milky emulsion.



**C<sub>36</sub>H<sub>60</sub>O<sub>2</sub>**

**Molar mass 524.9 g/mol**

## Specification

Assay min. 500,000 IU vitamin A  
(= 150,000 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).

## Monographs

The product complies with the current "Vitamin A concentrate (powder form), synthetic" Ph. Eur. and "Vitamin A" USP monographs.

## Regulations

The product meets the regulatory requirements for a vitamin A source in most countries. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use. In the EU, the use of this product is limited to food applications for which BHT is directly permitted (e.g., Food Supplements).

## Bulk density

Approx. 0.6 g/ml

## Stability

The product is stabilized with BHT (E321). The stability of the vitamin A in the dry powder is excellent even in the presence of minerals. The product is resistant to pressure and very little vitamin A is expressed during tableting, thus resulting in good stability of the tablets.

Stored in its original packaging in a cool (8 – 15 °C), dry place, the product is stable for at least 24 months.

## Storage/Handling

As vitamin A is sensitive to atmospheric oxygen, light, moisture, and heat, the product should be stored in the original packaging in a cool (8 – 15 °C), dry, and dark place.

It is recommended to use up the remaining contents quickly once the package has been opened.

## Applications

### Dietary supplements:

Should the product be subject to severe strain during processing or storage, it is recommended to use the palmitate version of the vitamin.

Since the palmitate contained in vitamin A is the ester with the best resistance to hydrolysis, vitamin A-palmitate is recommended particularly for preparations with a high moisture content as well as preparations, which will be stored in environments with a high relative humidity. It is equally suitable for use in multivitamin/mineral tablets and hard gelatin capsules.

## Note

Dry Vitamin A-Palmitate 500 must be handled in accordance with the Safety Data Sheet.

---

This document and any information provided herein does not constitute a legally binding obligation of BASF and has been prepared in good faith and is believed to be accurate as of the date of issuance. Unless expressly agreed otherwise in writing in a supply contract or other written agreement between you and BASF:

- a) To the fullest extent not prohibited by the applicable laws, BASF EXPRESSLY DISCLAIMS ALL REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, BY FACT OR LAW, INCLUDING ANY IMPLIED WARRANTIES, REPRESENTATIONS OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, NON-INFRINGEMENT, AND ANY REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES, ARISING FROM STATUTE, COURSE OF DEALING OR USAGE OF TRADE AND BASF HEREBY EXPRESSLY EXCLUDES AND DISCLAIMS ANY LIABILITY RESULTING FROM OR IN CONNECTION WITH THIS DOCUMENT OR ANY INFORMATION PROVIDED HEREIN, including, without limitation, any liability for any direct, consequential, special, or punitive damages relating to or arising therefrom, except in cases of (i) death or personal injury, (ii) BASF's or its agents and assistants willful misconduct, fraud or fraudulent misrepresentation or (iii) any matter in respect of which it would be unlawful for BASF to exclude or restrict liability under the applicable laws;
  - b) Any information provided herein can be changed at BASF's sole discretion anytime and neither this document nor the information provided herein may be relied upon to satisfy any obligations you may have to undertake your own inspections and evaluation;
  - c) BASF rejects any obligation to, and will not, automatically update this document and any information provided herein, unless required by applicable law; and
  - d) You are responsible for confirming that you have retrieved the most current version of this document from BASF.
  - e) This document or any information provided herein must not be used for purposes of pharmaceutical registrations.
-