

# Dry Vitamin A Palmitate 250 FS CWD

Microencapsulated vitamin A (retinyl palmitate), beadlets

## Chemical name(s) of active ingredient

Vitamin A palmitate, retinyl palmitate, all-trans-retinol palmitic acid ester, all-trans-retinyl palmitate

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

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

## PRD

30750169

## Articles

50686288 25 kg bag in box

## Units

1 International Unit (IU) = 0.550 µg vitamin A palmitate = 0.300 µg RAE (retinol activity equivalent) = 0.300 µg RE (retinol equivalents)

## Description

Free-flowing, light yellow, fine beadlet powder consisting of spherical particles, possibly containing a few whitish particles.

## Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free

## Composition

Ingredients in descending order by weight: corn starch, maltodextrin, starch sodium octenyl succinate, retinyl palmitate (vitamin A palmitate), sodium ascorbate, *all-rac*-alpha-tocopherol (dl-alpha-tocopherol), tricalcium phosphate

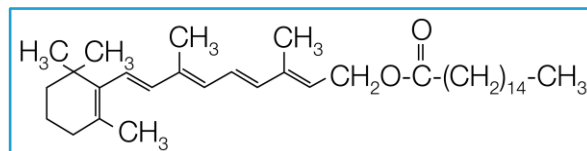
## Solubility

Dispersible in cold water ( $\geq 10^{\circ}\text{C}$ ) to form a stable milky white emulsion

## Specification

Assay vitamin A	min. 250,000 IU (= 75,000 µg RAE) per gram
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For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



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

**524.9 g/mol**

## Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). Dry Vitamin A-Palmitate 250 FS CWD complies with the acceptance criteria specified in the current individual Ph. Eur. monograph for 'Vitamin A concentrate (powder form), synthetic' and the current individual USP monograph for 'Vitamin A'. The included active ingredient Vitamin A Palmitate complies with the acceptance criteria specified in the current individual Ph. Eur. monographs for 'Vitamin A' and 'Vitamin A Concentrate (Oily Form), synthetic', the current individual USP monograph for 'Vitamin A' and the individual FCC III monograph for 'Vitamin A'. 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.

## Bulk density

Approx. 0.6 g/ml

## Stability and storage

Vitamin A is sensitive to light, heat, oxygen and moisture and needs to be stored in a light-proof and airtight container. The product is stabilized with *all-rac*-tocopherol and sodium ascorbate. Stored in its unopened, original packaging at cool temperatures (8 - 15°C), in a dry place, the product is stable for at least 24 months.

## Handling

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

## Applications

For the fortification of flour and vitamin mixtures for the food industry. The product is gelatin-free and particularly suitable for vegetarian foods.

Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately.

This product is not intended and recommended by BASF for use in medical nutrition or infant nutrition. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

**Note**

The product must be handled in accordance with the Safety Data Sheet.

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