

Dry Vitamin A-Acetate 500

Chemical names of active ingredient

Retinyl acetate, all-trans retinol acetic acid ester

CAS-No. 127-47-9

EINECS-No. 204-844-2

PRD-Nos. Articles

30041009	Dry Vitamin A-Acetate 500, 40 Mesh
	50050735 25 kg bag in box
30041011	Dry Vitamin A-Acetate 500, 60 Mesh
	50050523 25 kg bag in box

Country of origin

Denmark

Units

1 International Unit (IU) = 0.344 µg
vitamin A-acetate

Description

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

Composition

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

Solubility

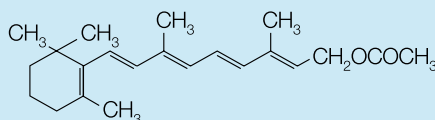
Dispersible in warm water (35 – 40 °C), to form a milky emulsion.

Specification

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

Vitamin A-acetate



$C_{22}H_{32}O_2$

Molar mass 328.5 g/mol

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. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

Bulk density

Approx. 0.6 g/ml

Stability

The product is stabilized with BHT (E321). The stability of vitamin A in the dry powder is excellent even in the presence of minerals. The product has a high mechanical integrity and little or none of the vitamin A is expressed during tableting, 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:

Because of its excellent tableting properties, this product is suitable for direct compression. It has been especially developed for use in high-dosage vitamin A tablets, multivitamin/mineral tablets, and hard gelatin capsules.

Note

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

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