Dry Vitamin A-Acetate 500

Chemical names of active ingredient
Retinyl acetate, all-trans retinol acetic acid ester

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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


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 tabletting, 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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