

Dry Vitamin A-Acetate 500, 60 mesh

Microencapsulated vitamin A (retinyl acetate), beadlets

Chemical name(s) of active ingredient

Vitamin A acetate, retinyl acetate, all-trans-retinol acetic acid ester, all-trans-retinyl acetate

CAS-No. 127-47-9

EINECS-No. 204-844-2

PRD

30041011

Articles

50050523	25 kg bag in box
50051742	0.05 kg plastic film bags

Units

1 International Unit (IU) = 0.344 µg vitamin A acetate = 0.300 µg RAE (retinol activity equivalent) = 0.300 µg RE (retinol equivalents)

Description

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

Benefits

Allergen-free, gluten-free

Composition

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

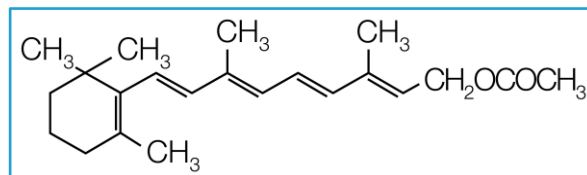
Solubility

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

Specification

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



C₂₂H₃₂O₂

328.5 g/mol

Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). Dry Vitamin A-Acetate 500, 60 Mesh meets the specifications of current monographs: "Vitamin A Concentrate (Powder Form), synthetic" of Ph. Eur. and "Vitamin A" of USP. The included active ingredient vitamin A acetate meets the specifications of current monographs: "Vitamin A" and "Vitamin A Concentrate (Oily Form), synthetic" of Ph. Eur. and "Vitamin A" of USP. Furthermore, the included active ingredient meets the specification of "Vitamin A" of FCC III. 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 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 BHT. 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 unopened, original packaging at cool temperature (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

Due to 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 shell capsules.

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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