

Dry Vitamin AD₂-Acetate 500/50, 60 Mesh

Chemical name

Retinyl acetate and ergocalciferol

CAS-No. 127-47-9 and 50-14-6

EINECS-No. 204-844-2 and 200-014-9

PRD-No.

30041006

Articles

50048456 25 kg fibreboard-box

Country of origin

Denmark

Units

1 International Unit (IU) = 0.344 µg
 vitamin A-acetate
 = 0.025 µg
 vitamin D₂

Description

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

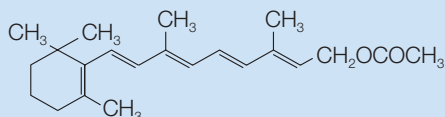
Composition

Ingredients in descending order of weight:
 Sucrose, modified starch (E 1452), gelatin, vitamin D₂ (ergocalciferol), t-butylhydroxytoluene (BHT), vitamin A-acetate, sodium aluminium silicate.

Solubility

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

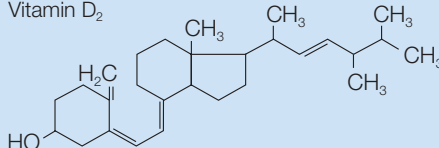
Vitamin A-acetate



C₂₂H₃₂O₂

Molar mass 328.5 g/mol

Vitamin D₂



C₂₈H₄₄O

Molar mass 396.7 g/mol

Specification

Assay: Vit. A: min. 500,000 IU of vitamin A
 (= 150,000 µg RAE) per gram
 Vit. D₂: min. 50,000 IU of vitamin D₂
 (= 1,250 µg Ergocalciferol)
 per gram

For further information see separate document:
 "Standard Specification" (not for regulatory
 purposes) available via BASF's World Account:
<https://worldaccount.basf.com>

Monographs

The included active ingredient vitamin A complies with the current "Vitamin A concentrate (oily form), synthetic" Ph. Eur., "Vitamin A" USP and FCC III monographs.

The included active ingredient vitamin D₂ complies with the current "Ergocalciferol" Ph. Eur. and "Ergocalciferol" USP monographs.

Regulations

The product meets the regulatory requirements for a vitamin A and vitamin D 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 (E 321). Its stability is excellent even in the presence of minerals. The dry powder has a high mechanical integrity and little or none of the oily vitamins is expressed during tableting, resulting in good stability of the tablets.

Stored in the 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 supplement:

The product has been specially developed for the production of high-dosage vitamin AD₂ tablets by direct compression. Its flow and tableting properties make it equally suitable for multivitamin/mineral tablets and for hard gelatin capsules.

Note

Dry Vitamin AD₂-Acetate 500/50, 60 Mesh must be handled in accordance with the Safety Data Sheet.

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