

Dry Vitamin D₃ 100

Chemical name of active ingredient

Cholecalciferol

CAS-No. 67-97-0

EINECS-No. 200-673-2

PRD-No.
30067769

Article

50144186 25 kg bag in box

Country of origin

Denmark

Units

1 International Unit (IU) = 0.025 µg vitamin D₃

Description

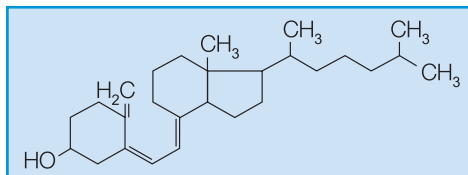
Free-flowing, white to off-white powder, consisting of spherical particles.

Composition

Ingredients in descending order of weight: sucrose, pork gelatine, starch aluminium octenyl succinate (E 1452), medium-chain triglycerides, butylated hydroxytoluene (BHT, E 321), sodium aluminium silicate (E 554), vitamin D₃ (cholecalciferol).

Solubility

The product can be dispersed in warm water (35 – 40 °C), to form a milky emulsion. Virtually no vitamin D can be extracted from the powder with ether.



C₂₇H₄₄O

Molar mass 384.7 g/mol

Specification

Assay min. 100,000 IU vitamin D₃/g
(= 2,500 µg cholecalciferol/g)

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

Monographs

Dry Vitamin D₃ 100 meets the requirements of the current 'Cholecalciferol concentrate (powder form)' Ph. Eur. monograph. Furthermore, the included active ingredient Vitamin D₃ complies with the specification requirements stipulated in the current 'Cholecalciferol' Ph. Eur., 'Cholecalciferol' USP and FCC monographs.

Regulations

The product meets the regulatory requirements for a 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).

The stability of vitamin D₃ in the dry powder is excellent even in the presence of minerals. Stored in its original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

Storage/Handling

The product should be stored in the original packaging at room temperature (max. 25 °C), in a dry place.

Applications

Dietary supplements:

The product is particularly suitable for use in multi-vitamin/mineral tablets and hard-shell capsules. The small particle size and relatively low vitamin D₃ content of the dry powder provide homogenous distribution even in product formulations with a low active content. Dry vitamin D₃ is also very suitable for the direct compression of vitamin D tablets with a high active content.

Note

Dry Vitamin D₃ 100 must be handled in accordance with the Safety Data Sheet.

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