

Dry Vitamin D₃ 100 HP

Chemical name of active ingredient

Cholecalciferol

CAS-No. 67-97-0

EINECS-No. 200-673-2

PRD-No.
30204226*

* Sold in North America only.

Article

53151552 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.

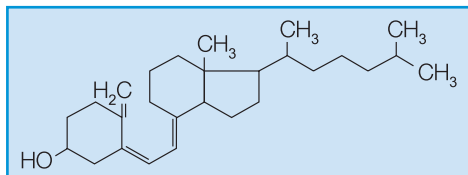
Composition

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 D ₃ /g (= 2,500 µg cholecalciferol/g)
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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).

Monographs

This product is only sold in North America. 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 is conditionally approved as vitamin D source in certain regions. Therefore, national regulations in the respective countries have to be observed.

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 HP must be handled in accordance with the Safety Data Sheet.

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