

Vitamin D₃ 1.0 Mio IU/G

Chemical name of active ingredient

Cholecalciferol

CAS-No. 67-97-0

EINECS-No. 200-673-2

PRD-No.
30070969*

* The product is kosher.

Article

50563957 4x5 kg fibreboard boxes

Country of origin

Germany

Units

1 International Unit (IU) = 0.025 µg vitamin D₃

Description

Clear, colorless to slightly yellowish oil at room temperature with a mild odor.

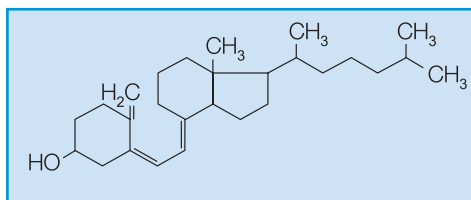
Composition

Ingredients in descending order of weight: medium-chain triglycerides, vitamin D₃ (cholecalciferol), DL-alpha-tocopherol (E 307).

Solubility

Soluble in hydrocarbons, chlorinated hydrocarbons, ether, fats, and oils.

Note: Due to degradation of vitamin D₃ by peroxides, it is important that the solvent is free of peroxides. The product can be dispersed in water using a standard food surfactant, to form a milky emulsion.



C₂₇H₄₄O

Molar mass 384.7 g/mol

Specification

Assay	min. 1.0 million IU vitamin D ₃ per gram (= 25,000 µg cholecalciferol per gram)
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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).

Unless otherwise stated, the methods of analysis can be found in the Ph. Eur.

Monographs

The product complies with the current "Cholecalciferol concentrate (oily form)" Ph. Eur. monograph. The active ingredient vitamin D₃ complies with "Cholecalciferol" Ph. Eur., "Cholecalciferol" USP and FCC monographs.

Regulations

The product meets the regulatory requirements for a vitamin D source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

Stability

The product is stabilized with DL-alpha-tocopherol (E307). It is sensitive to oxygen, light, and heat.

Stored in its unopened original packaging at room temperature (max. 25 °C), the product is stable for at least 24 months.

Storage/Handling

The product should be stored in its unopened original packaging at room temperature (max. 25 °C), in a dry place. It is recommended to flush the packaging with an inert gas once they have been opened and to use the remaining contents as quickly as possible.

Applications

Dietary supplements:

The product is suitable for preparations with a lipophilic base, e.g., soft gelatin capsules, oily solutions, drops, ointments, and creams.

Food products:

Used for the fortification of fatty foods, such as margarine, spreads, oils, milk, and dairy products. 25 – 75 µg (1,000 – 3,000 IU) of vitamin D₃, calculated as cholecalciferol, are usually added to every kg of margarine.

Note

Vitamin D₃ 1.0 Mio IU/G must be handled in accordance with the Safety Data Sheet.

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