

Vitamin D3 1.0 Mio IU/G Pharma

Vitamin D₃ (cholecalciferol) in medium-chain triglyceride oil

Chemical name(s) of active ingredient

Vitamin D₃, cholecalciferol

CAS-No. 67-97-0

EINECS-No. 200-673-2

PRD

30853644

Articles

50859140 4 x 5 kg fibreboard box
50859139 0.1 kg aluminum drums

Units

1 International Unit (IU) = 0.025 µg vitamin D₃

Description

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

Benefits

Vegetarian¹, kosher, halal, allergen-free², gluten-free³

Composition

Ingredients in descending order of weight: medium-chain triglycerides, vitamin D₃ (cholecalciferol), *all-rac*-alpha-tocopherol (DL-alpha-tocopherol)

Solubility

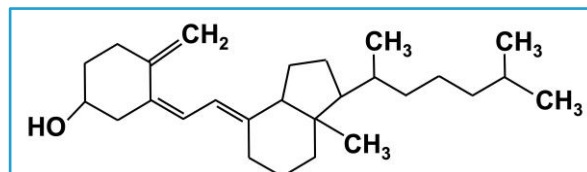
Soluble in hydrocarbons, chlorinated hydrocarbons, ethers, fats, and oils. The solvent should not contain peroxides. Insoluble in water.

Specification

Assay 1.00 to 1.10 million IU
vitamin D₃ per gram
(= 25,000 - 27,000 µg
cholecalciferol per gram).

For further information see *Product Specification* (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants:

<https://nutritionvirtualassistants.basf.com>



C₂₇H₄₄O

384.6 g/mol

Regulations

For quality documentation and compliance please see *Quality & Regulatory Product Information* and *Product Specification*. 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.

Stability and storage

Vitamin D₃ 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 *all-rac*-alpha-tocopherol.

Stored in its unopened, original packaging at temperatures not above 25 °C, in a dry place, it 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

For preparations with a lipophilic base, e.g., softgels, syrups and emulsions, ointments and creams, but also for other matrices, e.g., in gummies or drops. Suitable for use in applications where an active pharmaceutical ingredient (API) is required.

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.

Note

The product must be handled in accordance with the *Safety Data Sheet*.

¹ Vitamin D₃ is synthetically produced using cholesterol as starting material that is obtained from wool grease. Therewith vitamin D₃ is suitable for a vegetarian diet according to the requirements as stipulated in the International Standard ISO 23662 on definitions and technical criteria for foods and food ingredients suitable for vegetarians or vegans and for labelling and claims.

² No labeling requirements with regard to allergens according to EU regulation (EC) No 1169/2011 (as amended) and the US Food Allergen Labeling and Consumer Protection Act (FALCPA).

³ No ingredients used containing gluten. However, products are not explicitly tested on gluten.

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