Dry Vitamin D3 100 GFP

Microencapsulated vitamin D_3 (cholecalciferol), beadlets

Chemical name(s) of active ingredient

Vitamin D_3, cholecalciferol

CAS-No.	67-97-0
EINECS-No.	200-673-2

PRD

30053529

Articles

50051636	25 kg bag in box
50050841	0.05 kg plastic film bags

Units

1 International Unit (IU) = 0.025 µg vitamin D_3

Description

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

Benefits

Vegetarian[1], kosher, halal, allergen-free[2], gluten-free[3]

Composition

Ingredients in descending order of weight: sucrose, gum arabic, corn starch, medium-chain triglycerides, tricalcium phosphate, vitamin D_3 (cholecalciferol), *all-rac*-alpha-tocopherol (DL-alpha-tocopherol)

Solubility

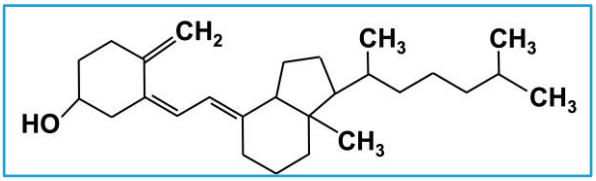
Dispersible in cold water (≥ 10°C) to form a stable milky white emulsion

Specification

Assay	min. 100,000 IU vitamin D_3/g (= 2,500 µg cholecalciferol/g)

For further information see *Product Specification* (not for regulatory purposes) available in BASF's MyBASFWorld:

https://my.basf.com/



$C_{27}H_{44}O$ **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. Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

Bulk density

Approx. 0.6 g/ml

Stability and storage

Vitamin D_3 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, the product is stable for at least 36 months.

Handling

It is recommended to use up the remaining contents quickly once the package has been opened.

Applications

For use in tablets, hard-shell capsules, syrups, gummies, bars and similar applications.

Vitamin D3 100 GFP is cold-water dispersible and suitable for the fortification of foods such as milk, milk powder, dairy products as well as beverages. The product is gelatin-free and particularly suitable for vegetarian products foods.

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. This product is not intended and recommended by BASF for use in food for infants and young children and has not been qualified by BASF for use in those applications with specific requirements. BASF is not testing or manufacturing the product to meet requirements which are applicable for these applications. BASF disclaims any representations, warranties and guarantees of fitness for such particular uses.

Note

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

[1] Vitamin D_3, is synthetically produced using cholesterol as starting material that is obtained from wool grease. Therewith vitamin D_3 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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