Dry Vitamin D3 100

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

30067769

Articles

50144186	25 kg bag in box
50144663	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

Allergen-free[1], gluten-free[2]

Composition

Ingredients in descending order of weight: sucrose, pork gelatin, starch aluminium octenyl succinate, medium-chain triglycerides, butylated hydroxytoluene (BHT), sodium aluminium silicate, vitamin D_3 (cholecalciferol)

Solubility

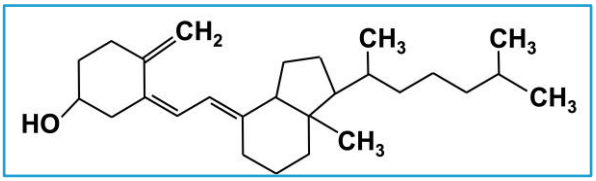
Dispersible in warm water (35-40°C) to form a stable milky white emulsion.

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. 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 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 BHT. The stability of vitamin D_3 in the dry powder is excellent even in the presence of minerals. 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 dry premixes, 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 100 is also highly suitable for the direct compression of vitamin D tablets with a high active content.

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] 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).
[2] No ingredients used containing gluten. However, products are not explicitly tested on gluten.

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