Dry Vitamin D$_3$ 100 GFP/HP

Chemical name of active ingredient
Cholecalciferol

CAS-No. 67-97-0
EINECS-No. 204-844-2

PRD-No. 30208576*

* The product is kosher.

Article
53763345  25 kg bag in box

Country of origin
Denmark

Units
1 International Unit (IU) = 0.025 µg vitamin D$_3$

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

Composition
Ingredients in descending order:
sucrose, gum arabic (acacia gum, E 414), corn starch, medium-chain triglycerides, tricalcium phosphate (E 341), cholecalciferol (vitamin D$_3$, 100,000 IU/g), DL-alpha-tocopherol (E 307).

Solubility
The product can be dispersed in cold water with temperatures as low as 10 °C, to form a stable milky emulsion. Virtually no vitamin D can be extracted from the powder with ether.

Specification
Assay  min. 100,000 IU vitamin D$_3$/g
(= 2,500 µg cholecalciferol/g)


Monographs
The included active ingredient complies with 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

Molar mass 384.7 g/mol
**Stability**
The product is stabilized with DL-alpha-tocopherol (E 307). Stored in its unopened original packaging at max. 15 °C, the product is stable for at least 24 months.

**Storage/Handling**
The product should be stored in the original packaging at room temperature (max. 15 °C), in a dry place.

**Applications**

* Dietary supplements:*
  For use in multivitamin preparations.

* Food products:*
  The product is particularly suitable for the fortification of foods including food for babies and children, dietetic products, milk powder, and vitamin mixtures. Regulatory provisions for the use of tricalcium phosphate in the different product categories have to be considered. Furthermore, the maximum level of acacia gum in the final infant nutrient preparation has to be considered. The product is gelatin-free and particularly suitable for vegetarian foods.

**Note**
Dry Vitamin D₃ 100 GFP/HP must be handled in accordance with the Safety Data Sheet.