

Spreading Sunshine Globally

55
OVER YEARS



Fermenta Biotech Limited

ABOUT FERMENTA BIOTECH LIMITED (FBL):

FBL is one of the leading manufacturers of Vitamin D3 globally, headquartered in Thane, India. With over five decades of experience, its presence spans across 60+ countries with a worldwide distribution network for a variety of applications such as pharmaceuticals, dietary and nutritional supplements, food, animal nutrition, veterinary, and rodenticides.

FBL's manufacturing facilities in Kullu and Dahej are certificated by global accreditations and its world class R&D center is located at Thane. Apart from Vitamin D3, FBL also possesses expertise in integrated biotechnology solutions such as enzymes for antibiotic synthesis and other niche APIs.

Fermenta's international subsidiaries in Germany, Fermenta Biotech GmbH, and the US, Fermenta USA LLC have further enhanced its global presence.

For more information about the company and its businesses, Please visit our website www.fermentabiotech.com

R&D Lab, Thane



Dahej Facility



Kullu Facility



Head Office, Thane





Pharmaceuticals



**Dietary &
Nutritional
Supplements**



Animal Nutrition



Food



Veterinary



Rodenticides

**Wide
Spectrum of
Applications**

PRODUCT INFORMATION

VITADEE™ 100 CWD / 500 CWD

Cholecalciferol Concentrate (Powder Form)

DS (Dispersible Solution) / **S** (Soluble)

Concentration: 100,000 IU/g, 500,000 IU/g

Product Identification:

Chemical Name:

(3 β ,5Z,7E)-9,10-secocholesta-5,7,10(19)-trien-3-ol

Mol Formula: C₂₇H₄₄O

Mol Weight: 384.64 g/mol

CAS No.: 67-97-0

Description: White or yellowish white, small particles.

Specification: In-House

Assay: NLT 100.0%

Certifications: WHO-GMP, Kosher, Halal, HACCP, Vegetarian Certificate, NSF - FSMA & cGMP.

Packaging: Packed under inert gas in 1Kg & 5Kg Aluminium Bags.

Shelf Life: Proposed retest period of 30 months from the date of manufacture.

Storage: VITADEE™ CWD is sensitive to air, light and humidity. The product may be stored for 30 months from the date of manufacture in the unopened original container and at a temperature below 15°C. For optimum stability, storage at 5° ± 3°C is recommended. Keep container tightly closed. Once opened, use contents quickly.

DS: Tableting application in pharmaceuticals, multi-vitamin premixes for food and nutraceutical industry.

S: For fortifying liquid preparations (in beverage industry).

Applications: For fortifying powder and liquid products such as baby food, milk powders, multi-vitamin premixes and tableting application. Catering to the needs of food, dietary & nutraceutical supplements.

Disclaimer: The aforementioned information is based on our current knowledge and experience. Although we are satisfied that it meets our specifications, we request users to use their discretion and carry out any necessary tests/precautions prior to usage of the product in any formulation.

Fermenta does not carry any liability in the final usage of the product and maintains that users should observe compliance with all applicable laws and regulations while using the product.



***Note:** Please refer the Material Safety Data Sheet before handling the product.



Manufactured by :

Fermenta Biotech Limited

A - 1501, Thane One, 'DIL' Complex, Ghodbunder Road, Majiwada, Thane (West) - 400610, Maharashtra, India. Tel: +91 22 6798 0800 / 888 • Fax: +91 22 6798 0899

E mail: info@fermentabiotech.com • Website: www.fermentabiotech.com



PRODUCT INFORMATION

CHOLECALCIFEROL

(Crystalline Vitamin D3)

Synonyms: Activated 7-Dehydrocholesterol.

Concentration: 40,000,000 IU/g

Product Identification:

Chemical Name:

(3 β ,5Z,7E)-9,10-secocholesta-5,7,10(19)-trien-3-ol

Mol Formula: C₂₇H₄₄O

Mol Weight: 384.64 g/mol

CAS No.: 67-97-0

Description: White or almost white crystals. Freely soluble in Ethanol (96%).

Specifications: USP, FCC, Ph. Eur. and IP.

Assay: 97 - 103 % as per USP/IP/FCC

97 - 102 % as per Ph. Eur.

Certifications: Certificate of Suitability by EDQM, Kosher, Halal, HACCP, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, WHO-GMP, Vegetarian Certificate, BRC, FSSC 22000, FSMA.

Regulatory Submissions: CEP, Health Canada DMF.

Packaging:

Aluminium Bottle: Under inert gas in 250g, and 1Kg

LDPE Bags: Under vacuum in 10g, 100g, 4Kg and 5Kg.

Shelf Life: 36 months in Aluminium bottle and in LDPE bag.

Storage: Store in an air tight container, under inert gas, protected from light, at a temperature of 5° ± 3°C. The contents of an opened container are to be used immediately.

Applications: Pharmaceutical, food, veterinary & feed industries.

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**CERTIFICATE OF SUITABILITY BY
EDQM & EIR FROM USFDA**

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PRODUCT INFORMATION

CHOLECALCIFEROL SOLUTION

Cholecalciferol Concentrate (Oily Form)

Concentration: 1 MIU/g, 2 MIU/g & 4 MIU/g

Product Identification:

Chemical Name:

(3 β ,5Z,7E)-9,10-secocholesta-5,7,10(19)-trien-3-ol

Mol Formula: C₂₇H₄₄O

Mol Weight: 384.64 g/mol

CAS No.: 67-97-0

Description: Colourless to yellow coloured oily liquid.

Specification: USP and Ph. Eur.

Assay: 90 – 110 % of the labelled contents.

Certifications: Kosher, Halal, HACCP, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, WHO-GMP, Vegetarian Certificate, BRC, FSSC 22000, FSMA, RSPO**.

Regulatory Submissions: CEP[#]

Packing: Packed under inert gas in 1Kg and 10Kg Aluminum bottles.

Shelf Life: Retest period of 24/36 months* from the date of manufacture.

Storage: Store in air tight, well fitted container, protected from light. The contents of an open container are to be used as soon as possible; any unused part is to be protected by an atmosphere of inert gas.

Applications: Pharmaceutical, food, dietary & nutraceutical supplement industry.

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*Variant specific

**For MCT Oil

#For 1,000,000 IU/g with all-rac- α -tocopherol in triglycerides

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CERTIFICATIONS & ACCREDITATIONS*

CEP-EDQM

WHO-GMP

US FDA



ISO
14001:2015

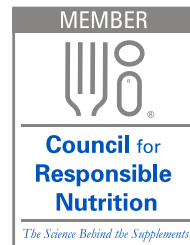
ISO
9001:2015

ISO
45001:2018

Our Associations:



National Association for the Blind (NAB)



A Public Awareness Initiative:



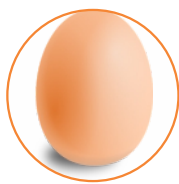
Sources of **VITAMIN D**



SUNLIGHT



FORTIFIED MILK



EGGS



MUSHROOMS



SALMON &
MACKEREL



FORTIFIED
BEVERAGES

Factors affecting **VITAMIN D** absorption



AGE



LATITUDE



SEASON



CLOUD
COVER



TIME
OF DAY



SKIN
PIGMENTATION

Health Benefits of **VITAMIN D**



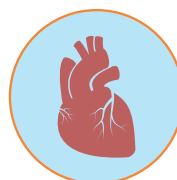
Immunity



General
Wellbeing



Bone & Joint
Health



Heart Health



Mental Health

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