



Technical Data Sheet

Vitamin D3 Cholecalciferol 1.0 MIU (Flechte) MCT Oil (18530)
Vitamin D3 1.0 MIU MCT oil (lichen) (18530)

PRODUCT INFORMATION

Chemical name	(5Z,7E)-(3S)-9,10-secocholesta-5,7,10(19)-trien-3-ol; (5Z,7E)-9,10- secocholesta-5,7,10(19)-trien-3-ol
Synonyms	cholecalciferol; calciol; Vitamin D3
CAS No	67-97-0
EINECS No	200-673-2
Empirical formula	C ₂₇ H ₄₄ O
Molecular mass	384.65 g/mol
Ingredients	30 - 60% Vitamin D rich lichen extract 40 - 70% fractionated Coconut Oil 0.1% D Alpha Tocopherol

ITEM	SPECIFICATION	METHOD
Appearance*	Clear pale yellow liquid	Visual assessment
Identification	Positive	HPLC (RSSL)
Peroxide Value	< 3 Meq/ Kg	ISO 3960:2017 Titration (RSSL)
Acid Value	NMT 1.0 mgKOH/g	Titration
Vitamin D3 content	900,000 - 1,100,000 iu/g	Dairy Fed (RSSL)
Specific gravity (g/ml)	0.92 -0.96 g/ml	Physical

*The color may vary

STATEMENTS

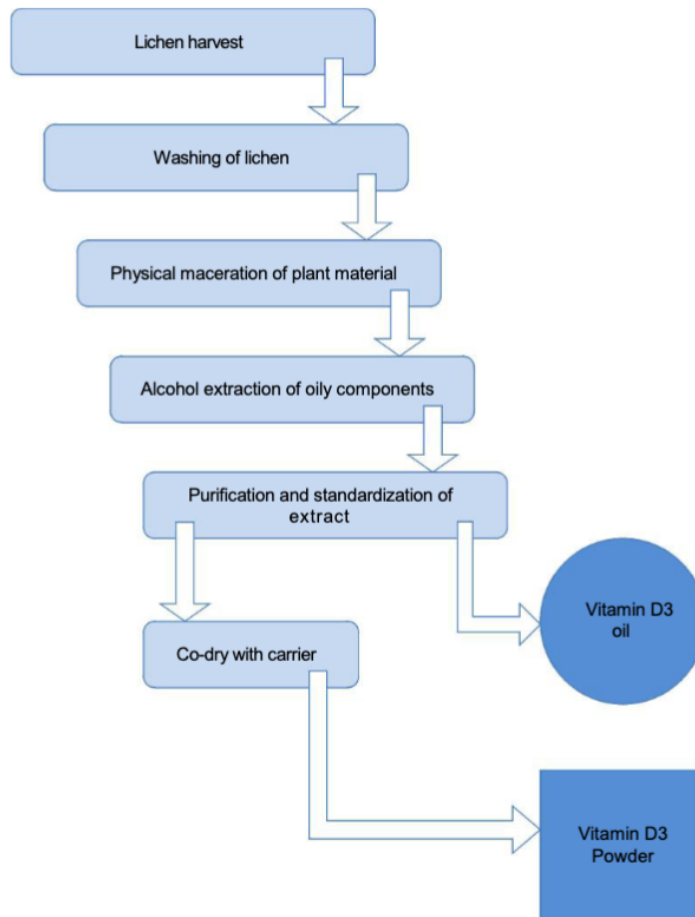
Food Quality and Safety	Only for food supplements
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Preservative	Preservative Free
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 396/2005 and amendments
Microbiology	Bacterial Count: TAMC-Bacteria: <10,000 cfu/g, TYMC: <100 cfu/g, Salmonella: negative, E. Coli: negative, S. Aureus: negative
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen free	According to Reg. (EC) 1169/2011
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

STORAGE AND HANDLING

Storage	Store in a well-closed container away from moisture and direct sunlight
Shelf Life	2 years if sealed and properly stored



Flowchart



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