



SWAPNROOP DRUGS & PHARMACEUTICALS

Address: Plot No:D-187/16, Five Star Shendra MIDC, Shendra,
Aurangabad-431154, Maharashtra, India.
Tel: +91 8767062101 Email: enquiry@sdp.org.in
Website: www.sdp.org.in

CERTIFICATE OF ANALYSIS

Product Name	Cholecalciferol	CAS No:	67-97-0
Batch No.	2605001	Manufactured by	-
Date of Mfg.	MAY-2026	Date of Analysis	20/05/2026
Batch Quantity	-	Retest Date	APR-2031

Sr No	Test	Acceptance Criteria	Results
1	Description	White or almost white crystals.	White crystals.
2	Solubility	Practically insoluble in water, freely soluble in ethanol (96%), soluble in trimethyl pentane and in fatty oils.	Complies
3	Identification INFRARED ABSORPTION	Infra-red absorption spectrum of test sample must conform to the reference spectrum of Cholecalciferol working standard.	Complies
4	Specific Optical Rotation	105 to 112°	111°
5	Impurity A (Trans Cholecalciferol)	Maximum 0.1%	<0.05%
6	UNSPECIFIED IMPURITIES	Maximum 0.10%	<0.05%
7	Total Impurities	NMT 1.0% Disregard Limit: 0.5 times the area of Principal peak in the chromatogram obtained with the reference sol. (c) (0.05%); disregard the peak due to pre-Cholecalciferol.	<0.05%
8	HPLC	97.0 to 102.0%	99.9%
9	Residual solvents Methanol	Maximum 1000 ppm	<6.0 ppm
10	Residual solvents Ethanol	Maximum 1000 ppm	<10.0 ppm
11	Residual solvents Pyridine	Maximum 100 ppm	<4.0 ppm
12	Residual solvents Methyl Formate	Maximum 1000 ppm	70.72 ppm
13	Residual solvents Petroleum Ether	Maximum 290 ppm	7.86 ppm
14	Residual solvents Acetone	Maximum 1000 ppm	25.15 ppm
15	Residual solvents Benzene	Maximum 2 ppm	<0.2 ppm

Storage: Store in air tight container below room Temperature

Conclusion: Product Complies as per above Specifications

Prepared By  Sonali Nirmal Date: 23/05/2026	Checked by  Dadarao Kakde Date: 23/05/2026	Approved By  Nayna Nehete Date: 23/05/2026 
--	---	--