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PVT. LTD.**

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Certificate of Analysis

Product	97389 - Cholecalciferol (Vitamin D3) for tissue culture, 97% - [67-97-0]
Batch No	5409089
Analysis Date	17-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C ₂₇ H ₄₄ O
Molecular Weight	384.64

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution in Ethanol	Clear	Clear
Solubility (Colour) 10% solution in Ethanol	Colorless to pale yellow	Colourless
Assay (HPLC)	min. 97%	99.5%
Specific rotation [α]	+105 - +112° (C=0.5, Ethanol) @25°C	+106.197°
Melting Point	81 - 86°C	81°C
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/97389 Rev No. 3 Date 07/02/2022

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Taloja – 410 208, Maharashtra, India

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