

# CERTIFICATE OF ANALYSIS

Product Description CHOLECALCIFEROL  
(3b,5Z,7E)-9,10-SECOCHOLESTA-5,7,10(19)-TRIEN-3-OL,  
VITAMIN D<sub>3</sub>  
Product Number V883  
Lot Number HEE0883015  
Storage Temperature 2-8°C  
Molecular Weight 384.65  
Formula C<sub>27</sub>H<sub>44</sub>O  
CAS Number 67-97-0

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 1 mg/mL	Passes
Physical Appearance Color*	PM-1 to PM-4, PM-19 or 2143-70 to 2149-70, 2022-60	2022-60 Yellow
Texture	Fine to Crystalline powder, may have needle-like crystals	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	100.00%

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

## Biological Testing:

Test Concentration: 1.0 mg/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or shoot proliferation in two or more plant tissue cultured lines with no morphological aberrations to plants	Xanthi Tobacco Callus	Passes
	Parrot Feather	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Product Release Date: 01-Novemnber-2024  
Recommended Shelf-Life Date: November 2029



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