

CERTIFICATE OF ANALYSIS

Product Description	CHOLECALCIFEROL USP GRADE (3 β ,5Z,7E)-9,10-SECOCHOLESTA-5,7,10(1)-TRIEN-3-OL, VITAMIN D ₃
Product Number	V883
Lot Number	12M0883007
Storage Temperature	2-6 °C
Molecular Weight	384.65
Formula	C ₂₇ H ₄₄ O
CAS Number	67-97-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO @ 1 mg/mL	Passes
Physical Appearance Color*	RM-1 to RM-4, RM-31 or 2143-70 to 2149-70	RM-31 White
Texture	Fine to Crystalline powder, may have needle-like crystals	Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 1 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.40%

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

Biological Testing:

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	Cape Primrose	Passes
	Syngonium	Passes

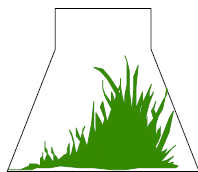
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. **PhytoTechnology Laboratories®** 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.

Recommended Shelf Life Date: December 2017



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PhytoTechnology Laboratories®

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