

# CERTIFICATE OF ANALYSIS

Product Description CHOLECALCIFEROL  
USP GRADE  
(3 $\beta$ ,5Z,7E)-9,10-SECOCHOLESTA-5,7,10(1 $\alpha$ )-TRIEN-3-OL, VITAMIN D<sub>3</sub>  
Product Number V883  
Lot Number AWR0883009  
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*	Under Development Fine to Crystalline powder, may have needle-like crystals	2019-50 Yellow
Texture		Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	98.82%

\* 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
	Coreopsis	Passes

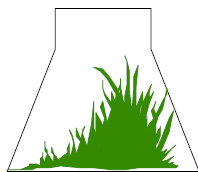
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**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.**

Date of Release: 18-June-2018  
Recommended Shelf Life Date: June 2023



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PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

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