CERTIFICATE OF ANALYSIS

Product Description	1-TRIACONTANOL 1-HYDROXYTRIACONTANE; MELISSYL ALCOHOL
Product Number	T818
Lot Number	02H81801
Storage Temperature	2-6° C
Molecular Weight	438.82
Formula	$C_{30}H_{62}O$
CAS Number	593-50-0

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Hot EtOH at 1 mg/ml	Passes
Physical Appearance Color* Texture	 2150-70 to 2154-70, 2165-70, or PM-29 Flaky to Crystalline Powder	 2152-70 Slight Cream Tint Crystalline Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	Within 30 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 85%	86.9%

* 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	Boston Fern	Passes
	Corn callus	Passes

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

***Phyto*Technology 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. *Phyto*Technology 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: January 2018

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Created on 9 January 2004
Revised on 6 Feb 15 PN