CERTIFICATE OF ANALYSIS

Product Description	MALMGREN MODIFIED TERRESTRIAL ORCHID MEDIUM WITHOUT SUCROSE
Product Number	M551
Lot Number	16C0551017
Storage Temperature	2-6 ˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Partially Soluble in Water	Passes
pH (28.84 g/L)	3.7 – 4.8	4.8
Physical Appearance		
Color*	HC-166, HC-167, 2134-30, 2134-40, 2121-20, 2124-10, or 2124-20	2134-30 Black
Texture	Fine to Grainy Powder	Fine Powder
Solution Appearance		
Clarity	Opaque, Grainy	Opaque, Grainy
Color	Dark Gray to Black	Black
Moisture	For Information Only	3.23%

* 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.	Oncidium	Passes
	Dendrobium	Passes

The material described in this certificate was manufactured in the United States of America and contains synthetic, plant- and animal-derived components. The plant-derived component is a pineapple puree spray-dried with maltodextrin at 215 ˚F for 15-30 seconds under high pressure. The animal-derived component is casein from Bovine milk which hydrolyzed with a Bovine Casein-derived enzyme of New Zealand origin.

***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: March 2019

Gary Seckinger, Ph.D.

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