

CERTIFICATE OF ANALYSIS

Product Description MS MEDIUM W/VITAMINS & SUCROSE
Product Number M5501
Lot Number 14G5501006
Storage Temperature 2-6°C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (34.43 g/L)	Under Development	4.1
Physical Appearance Color* Texture	PM-1 to PM-4 Fine Powder	PM-4 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None to Fine	Passes-Fine
Moisture	For Information Only	0.78%
Osmolality	For Information Only	191 mOsm/kg

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

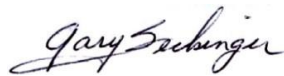
Biological Testing:

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	Tobacco Callus	Passes
	Hosta	Passes

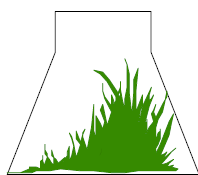
The material described in this certificate was manufactured in the United States of America and is synthetic in nature. No animal- or plant-derived components were used in the manufacture of this product.

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: July 2017



Gary Seckinger, Ph.D.



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Dedicated to Growth

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