CERTIFICATE OF ANALYSIS

Product Description	MURASHIGE & SKOOG MODIFIED BASAL MEDIUM W/ GAMBORG VITAMINS
Product Number	M404
Lot Number	15J0404023
Storage Temperature	2-6 ˚C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (4.44 g/L)	3.5 – 4.5	4.1
Physical Appearance		
Color*	2022-70 to 2026-70, PM-1 to PM-4 or PM-19	PM-4 White
Texture	Fine Powder	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless to Slight Yellow Tint	Slight Yellow Tint
Average Time to Dissolve	For Information Only (Approx. 3 min)	5 min
Insolubles	None	Passes
Moisture	For Information Only	0.97%

* 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.	Hosta	Passes
	Asparagus	Passes

The material described in this certificate was manufactured in the United States of America and 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: September 2018

Gary Seckinger, Ph.D.

P*hyto*Technology Laboratories®
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