CERTIFICATE OF ANALYSIS

Product Description	MURASHIGE & SKOOG BASAL MEDIUM W/VITAMINS & MES
Product Number	M5531
Lot Number	16B5531002
Storage Temperature	2-6 ºC

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (5.43 g/L)	Under Development	4.0
Physical Appearance Color* Texture	 Under Development Fine Powder	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless to Slight Yellow Tint	 Colorless
Average Time to Dissolve	For Information Only (Approx. 10 min)	10 min
Insolubles	None	Passes
Moisture	For Information Only	2.16%

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

Biological Testing:

Testing concentration: 5.43 g/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	Perilla	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.

***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: February 2019

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