

# CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MODIFIED BASAL MEDIUM  
CONTAINS FeNa-EDTA, WITHOUT POTASSIUM PHOSPHATE  
Product Number M541  
Lot Number 09E0541004  
Storage Temperature 2-6 °C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (5.69 g/L)	Under Development	4.87
Physical Appearance Color*	2145-70 to 2151-70 or 2149-60 to 2154-60	2146-70 Light Cream
Texture	Fine Powder	Fine Powder
Solution Appearance Clarity Color	Clear Light Yellow to Yellow with a Green Tint	Clear Light Yellow Tint
Average Time to Dissolve	Within 30 min	Passes
Insolubles	None	Passes

\* 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	Dianthus	Passes
	Achimenes	Passes

The material described in this certificate was manufactured in the United States of America and contains synthetic and animal-derived components. The animal-derived component is hydrolyzed casein from bovine milk of Australian/New Zealand origin. It was hydrolyzed with a Porcine-derived enzyme of US origin.

**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: May 2014



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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