

# CERTIFICATE OF ANALYSIS

Product Description MS MEDIUM W/VITAMINS & SUCROSE  
Product Number M5501  
Lot Number 11F5501002  
Storage Temperature 2 to 6°C

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Under Development	Soluble in Water
pH (34.43 g/L)	Under Development	3.93
Physical Appearance		
Color*	Under Development	RM-1 Off-White
Texture	Under Development	Fine Powder
Solution Appearance		
Clarity	Under Development	Clear
Color	Under Development	Slight Yellow Tint
Average Time to Dissolve	Under Development	Within 5 min
Insolubles	Under Development	None

\* 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
	Tobacco callus	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: June 2014



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories®  
Dedicated to Growth

PhytoTechnology Laboratories®  
Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>



Created on 5 August 2011 PN