

# CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MODIFIED BASAL SALT MIXTURE  
CONTAINS 1/2x MICRO- AND 1/2x MACRONUTRIENT SALTS  
Product Number M153  
Lot Number 06F15302  
Storage Temperature 2-6° C  
Molecular Weight NA  
Formula NA  
CAS Number NA

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Soluble in Water
pH (2.17 g/L)	Under Development	4.35
Physical Appearance Color*	2144-70 (Snowfall White) 2142-70 to 2148-70, RM-1 to RM-3, or RM-31	2146-70 (Bavarian Cream)
Texture	Fine to Fluffy Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Average Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	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 cultures	Hosta	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Cape Sundew	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Venus Flytrap	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

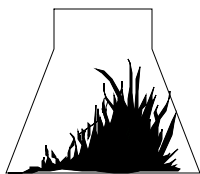
The material described in this certificate was manufactured in the United State of America and is either synthetic or plant derived in nature. No animal components were used in the manufacture of this product.

**Phyto Technology Laboratories, LLC 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: June 2009

*Emily Burdick*

Quality Assurance Manager



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

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