

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG MACRONUTRIENT SALT BASE
1x MACRONUTRIENT SALTS
Product Number M502
Lot Number 12M0502018
Storage Temperature 2-6 °C

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (4.23 g/L)	4.1-5.6	5.2
Physical Appearance Color*	2142-70 to 2146-70, PM-1 to PM-4	PM-4 White
Texture	Fine to Coarse Powder	Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 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	Achimenes	Passes
	Coreopsis	Passes

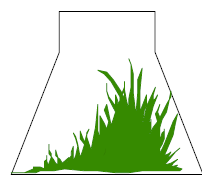
The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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Recommended Shelf Life Date: April 2017



Gary Seckinger, Ph.D.



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