

CERTIFICATE OF ANALYSIS

Product Description MURASHIGE & SKOOG VITAMIN POWDER (1000x)
Product Number M533
Lot Number 00L53303
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 (10.31 g/100 mL)	3.5 – 4.5	3.93
Physical Appearance Color*	2144-70 (Snowfall White) 2142-70 to 2146-70, RM-1 to RM-3, or RM-31	2144-70 (Snowfall White)
Texture	Fine to Clumpy Powder	Fine Powder with Clumps
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Within 3 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	African Violet	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants
	Hosta	Passes—supported plant growth and/or shoot proliferation with no morphological aberrations to plants

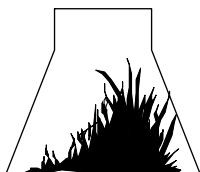
The material described in this certificate was manufactured in the United State of America and is either synthetic or plant derived in nature. No animal components were used in the manufacture of this product.

PhytoTechnology 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. 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: September 2007

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Quality Assurance Manager



PhytoTechnology
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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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