

# CERTIFICATE OF ANALYSIS

Product Description *myo*-INOSITOL  
1-INOSITOL; MESO-INOSITOL;  
1,2,3,5/4,6-HEXAHYDROXYCYCLOHEXANE  
Product Number I703  
Lot Number 08B70325  
Storage Temperature Room Temperature  
Molecular Weight 180.16  
Formula C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
CAS Number 87-89-8

## Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water	Passes
pH (0.10 g/L)	5.25 – 6.25	5.83
Physical Appearance Color* Texture	RM-1 to RM-3, RM-31 Fine Powder; may have Clumps	RM-1 White Fine Powder with Clumps
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 3 min	Passes
Precipitation Formation	None	Passes
Purity	Minimum 97%	99.1%
Heavy Metals	For Information Only	< 0.001%

\* 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	Syngonium	Passes
	Venus Flytrap	Passes

The material described in this certificate is synthetic. No animal- or plant-derived 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: February 2013



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories, LLC  
Dedicated to Growth

### **PhytoTechnology Laboratories, LLC**

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Created on 3/31/2008