

# CERTIFICATE OF ANALYSIS

Product Description      *myo*-INOSITOL  
1-INOSITOL; MESO-INOSITOL;  
1,2,3,5/4,6-HEXAHYDROXYCYCLOHEXANE  
Product Number        I703  
Lot Number              16D0703038  
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

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	5.4
Physical Appearance		
Color*	PM-1 to PM-4	PM-4 White
Texture	Fine Powder; may have Clumps	Fine Powder
Solution Appearance		
Clarity	Clear	Clear
Color	Colorless	Colorless
Average Time to Dissolve	For Information Only (Approx. 3 min)	3 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97%	99.61%
Moisture (Loss on Drying)	For Information Only	0.02%

\* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

## Biological Testing:


Test Concentration: 100 mg/L

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	African Violet	Passes
	Cape Primrose	Passes

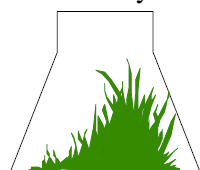
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product

**PhytoTechnology Laboratories® 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: May 2024



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PhytoTechnology  
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Created on 11 May 2016 JN