

# CERTIFICATE OF ANALYSIS

Product Description *myo*-INOSITOL  
1-INOSITOL; MESO-INOSITOL;  
1,2,3,5/4,6-HEXAHYDROXYCYCLOHEXANE  
Product Number I703  
Lot Number HGY0703051  
Storage Temperature Room Temperature  
Molecular Weight 180.16 g/mol  
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	6.3
Physical Appearance Color*	PM-1 to PM-4	PM-1 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)	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97%	98.68%
Moisture (Loss on Drying)	For Information Only	0.01%

\* 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	Begonia	Passes
	Tobacco Callus	Passes

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

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. 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.**

Product Release Date: 03-September-2021  
Recommended Shelf Life Date: September 2029



David S. Hart  
Technical Services Manager

**PhytoTech Labs Inc.**  
14610 W 106<sup>TH</sup> St. Lenexa, KS 66215  
Phone: 1-888-749-8682 or 1-913-341-5343  
Fax: 1-888-449-8682 or 1-913-341-5442  
Phytotechlab.com