

CERTIFICATE OF ANALYSIS

Product Description *myo*-INOSITOL
1-INOSITOL; MESO-INOSITOL;
1,2,3,5/4,6-HEXAHYDROXYCYCLOHEXANE
Product Number I703
Lot Number SSS0703042
Storage Temperature Room Temperature
Molecular Weight 180.16 g/mol
Formula $C_6H_{12}O_6$
CAS Number 87-89-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 50 mg/mL	Passes
pH	Under Development	5.2
Physical Appearance Color* Texture	PM-1 to PM-4 Fine Powder; may have Clumps	PM-4 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 3 min)	3 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 97%	99.47%
Moisture (Loss on Drying)	For Information Only	0.05%

* 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	Achimenes	Pass
	Cape Primrose	Pass

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

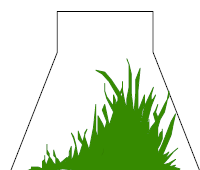
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Date of Release: 21-July-17

Recommended Shelf Life Date: July 2025



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