

CERTIFICATE OF ANALYSIS

Product Description *myo*-INOSITOL
1-INOSITOL; MESO-INOSITOL;
1,2,3,5/4,6-HEXAHYDROXYCYCLOHEXANE
Product Number I703
Lot Number 12H0703031
Storage Temperature Room Temperature
Molecular Weight 180.16
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 | 5.8 |
| Physical Appearance Color* Texture | RM-1 to RM-3, or RM-31 Fine Powder; may have Clumps | RM-31 White Fine Powder with clumps |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 3 min | Passes |
| Insolubles | None | Passes |
| Purity | Minimum 97% | 99.2% |
| 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 | African Violet | Passes |
| | Dianthus | 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: August 2020



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