

CERTIFICATE OF ANALYSIS

Product Description D-MANNITOL
Product Number M562
Lot Number HWE0562034
Storage Temperature Room Temperature
Molecular Weight 182.2
Formula C₆H₁₄O₆
CAS Number 69-65-8

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|---|---------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 4.5 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine Powder | PM-4 White Fine Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | For Information Only (Approx. 3 min) | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Minimum 96.0% | 99.80% |

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

Biological Testing:

Test Concentration: 0.10 g/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 | Xanthi Tobacco Callus | Passes |
| | Parrot Feather | 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.

Date of Release: 14-June-2024

Recommended Shelf-Life Date: June 2032



David Hart
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