

CERTIFICATE OF ANALYSIS

Product Description	D-MANNITOL
Product Number	M562
Lot Number	11H0562013
Storage Temperature	Room Temperature
Molecular Weight	182.2
Formula	C ₆ H ₁₄ O ₆
CAS Number	69-65-8

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.12
Physical Appearance Color* Texture	RM-1 to RM-3, or RM-31 Fine Powder	RM-31 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 3 min	Passes
Insolubles	None	Passes
Purity	Minimum 96.0%	99.4%
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: 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	Tobacco callus	Passes
	Royal Frost Birch	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 2019



Gary Seckinger, Ph.D.



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