

CERTIFICATE OF ANALYSIS

Product Description D-SORBITOL
 D-GLUCITOL
Product Number S744
Lot Number 14E0744015
Storage Temperature Room Temperature
Molecular Weight 182.17
Formula C₆H₁₄O₆
CAS Number 50-70-4

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|---|------------------------|
| Solubility | Soluble in Water @ 10 mg/mL | Passes |
| pH | Under Development | 5.5 |
| Physical Appearance Color* Texture | PM-1 to PM-4 Fine Powder to Crystals | PM-4 White Crystals |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Minimum 91.0 % | 98.20% |
| Loss on Drying | For Information Only | 0.12% |

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

Biological Testing:

Test Concentration: 100.0 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 | Tobacco callus | Passes |
| | Hosta | 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: May 2022



Gary Seckinger, Ph.D.



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