

CERTIFICATE OF ANALYSIS

Product Description D-SUCROSE, CRYSTALLINE
 β -D-FRUCTOFURANOSYL- α -D-GLUCOPYRANOSIDE; CANE
 SUGAR

Product Number S391

Lot Number HHA0391193

Storage Temperature Room Temperature

Molecular Weight 342.34 g/mol

Formula C₁₂H₂₂O₁₁

CAS Number 57-50-1

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|----------------------------------|
| Solubility | Soluble in Water | Passes |
| pH (30.00 g/L) | 4.0 – 6.5 | 6.4 |
| Physical Appearance Color* Texture | PM-1 to PM-4, PM-13, or PM-19 Crystalline Powder | PM-4 White Crystalline 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 | For Information Only | 99.92% |

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

Biological Testing:

Test Concentration: 30.0 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. | Begonia | Passes |
| | Tobacco Callus | Passes |

The material described in this certificate was manufactured in the United States of America and is highly refined, so as to be considered synthetic from plant (sugar cane) starting material. No animal-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-April-2020
 Recommended Shelf Life Date: April-2028



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