

CERTIFICATE OF ANALYSIS

Product Description D-SUCROSE, ULTRA-PURE
 β -D-FRUCTOFURANOSYL- α -D-GLUCOPYRANOSIDE
Product Number S829
Lot Number HXT0829047
Storage Temperature Room Temperature
Molecular Weight 342.34
Formula $C_{12}H_{22}O_{11}$
CAS Number 57-50-1

Physiochemical Specifications:

| TEST | SPECIFICATION | RESULTS |
|--|--|------------------------|
| Solubility | Soluble in Water @ 30.0 g/L | Passes |
| pH | 4.0-7.0 | 5.9 |
| Physical Appearance Color* Texture | PM-1 to PM-4, or PM-19 Crystals or Some Powder with Crystals | PM-1 White Crystals |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Minimum 99.5% | $\geq 99.9\%$ |

* 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 | Parrot Feather | Passes |
| | Xanthi 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: 11-August-2025

Recommended Shelf-Life Date: August 2033

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