

# CERTIFICATE OF ANALYSIS

Product Description D-SUCROSE, ULTRA-PURE  
ACS REAGENT  
 $\beta$ -D-FRUCTOFURANOSYL- $\alpha$ -D-GLUCOPYRANOSIDE  
Product Number S829  
Lot Number HKA0829040  
Storage Temperature Room Temperature  
Molecular Weight 342.34  
Formula  $C_{12}H_{22}O_{11}$   
CAS Number 57-50-1

## Physicochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 30.0 g/L	Passes
pH	4.0-7.0	6.0
Physical Appearance Color* Texture	PM-1 to PM-4, or PM-19 Crystalline Powder to Crystals	PM-4 White Crystals
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.5%	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	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.

**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.**

Date of Release: 27 May 2020  
Recommended Shelf Life Date: May 2028



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