

CERTIFICATE OF ANALYSIS

Product Description D-SUCROSE, ULTRA-PURE
 β -D-FRUCTOFURANOSYL- α -D-GLUCOPYRANOSIDE
Product Number S829
Lot Number 12C0829037
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	5.2 – 6.3	5.52
Physical Appearance Color* Texture	RM-1 to RM-4, or RM-31 Crystalline Powder to Crystals	RM-1 Off-White Crystals
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
Purity	Minimum 99.5%	> 99.9%
Moisture	For Information Only	0.01%

* 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	Coreopsis	Passes
	Achimenes	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.

Recommended Shelf Life Date: March 2020



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Created on 23 April 2012 PN
Revised on 13 Nov 2012 GS