

CERTIFICATE OF ANALYSIS

Product Description	D-SUCROSE, CRYSTALLINE β -D-FRUCTOFURANOSYL- α -D-GLUCOPYRANOSIDE; CANE SUGAR
Product Number	S391
Lot Number	16C0391175
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	Passes
pH (30.00 g/L)	4.5 – 6.5	5.1
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 mins)	3 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	For Information Only	99.95%
Moisture	For Information Only	0.024%

* 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.	Corn Callus	Passes
	Tobacco Callus	Passes

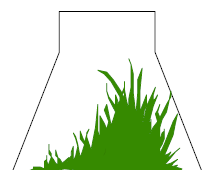
The material described in this certificate was manufactured in the United States of America and is highly refined, so as to be considered synthetic from plant (sugar cane) starting material. No animal-derived components were used in the manufacture of this product.

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.

Recommended Shelf Life Date: March 2024



Gary Seckinger, Ph.D.



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