

CERTIFICATE OF ANALYSIS

Product Description D-SUCROSE, ULTRA-PURE
ACS REAGENT
 β -D-FRUCTOFURANOSYL- α -D-GLUCOPYRANOSIDE
Product Number S829
Lot Number HCE0829045
Storage Temperature Room Temperature
Molecular Weight 342.34 g/mol
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	6.1
Physical Appearance Color* Texture	PM-1 to PM-4, or PM-19 Crystals or Some Powder with Crystals	PM-2 White Some Powder with Crystals
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Within 5 min)	Passes
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	Achimenes	Passes
	H38 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: 05-April-2024

Recommended Shelf-Life Date: April 2032



David Hart
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