CERTIFICATE OF ANALYSIS

Product Description	D-MALTOSE, MONOHYDRATE CRYSTALLINE 4-O-α-D-GLUCOPYRANOSYL-D-GLUCOSE
Product Number	M588
Lot Number	15M0588042
Storage Temperature	Room Temperature
Molecular Weight	360.32
Formula	$C_{12}H_{22}O_{11}\cdot H_2O$
CAS Number	6363-53-7

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 100 mg/mL	Passes
pH	4.0 – 6.0	5.00
Physical Appearance Color* Texture	 PM-1 to PM-4 Fine to Crystalline Powder	 PM-4 White Fine Powder
Solution Appearance Clarity Color	 Clear Colorless	 Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	2 min
Insolubles	None	Passes
Purity	Minimum 92.0%	100.4%
Water Content	For Information Only	4.6%

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

Biological Testing:

Test Concentration: 10.0 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	Ajuga	Passes
	Asparagus	Passes

The material described in this certificate is highly refined, so as to be considered synthetic from plant starting material. No animal-derived components were used in the manufacture of this product.

***Phyto*Technology 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. *Phyto*Technology 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.

P*hyto*Technology Laboratories®
Dedicated to Growth

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Created on 23 May 2016 JN