

# CERTIFICATE OF ANALYSIS

Product Description D-FRUCTOSE, CRYSTALLINE  
D-LEVULOSE, FRUIT SUGAR  
Product Number F563  
Lot Number 15J0563004  
Storage Temperature Room Temperature  
Molecular Weight 180.16  
Formula  $C_6H_{12}O_6$   
CAS Number 57-48-7

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 20 g/L	Passes
pH	Under Development	4.6
Physical Appearance Color* Texture	PM-1 to PM-4, PM-19, PM-13 Crystalline Powder	PM-4 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 5 min)	2 min
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 99.5%	100%
Loss on Drying	For Information Only	0.03%

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

## Biological Testing:

Test Concentration: 20.0 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.	Hosta	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 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: September 2023



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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