

# CERTIFICATE OF ANALYSIS

Product Description D-(+) GLUCOSE, ANHYDROUS  
DEXTRROSE; CORN SUGAR  
Product Number G386  
Lot Number 14K0386034  
Storage Temperature Room Temperature  
Molecular Weight 180.16  
Formula  $C_6H_{12}O_6$   
CAS Number 50-99-7

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 20 mg/mL	Passes
pH	3.5-6.5	5.6
Physical Appearance Color* Texture	PM-1 to PM-4 Crystalline Powder	PM-4 White Crystalline Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	Within 5 min	Passes
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Under Development	99.90%
Water Content	For Information Only	0.02%

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

## Biological Testing:

Test Concentration 20 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	Begonia	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: November 2022



Gary Seckinger, Ph.D.



PhytoTechnology  
Laboratories®  
Dedicated to Growth

### **PhytoTechnology Laboratories®**

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205  
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)  
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)  
Visit our Web Site at <http://www.phytotechlab.com>



Created on 3 December 2014 JN