

CERTIFICATE OF ANALYSIS

Product Description D-(+) GLUCOSE, ANHYDROUS
DEXTROSE; CORN SUGAR
Product Number G386
Lot Number 15H0386036
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 | 4.5 |
| 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 | For Information Only (Approx. 5 mins) | 5 mins |
| Insolubles | None | Passes |
| FTIR | Conforms to Structure | Passes |
| Purity | Under Development | 99.7% |
| Water Content | For Information Only | 0.06% |

* 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 | Tobacco Callus | Passes |
| | Hosta | Passes |

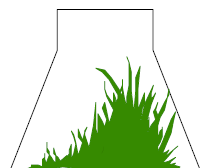
The material described in this certificate was manufactured in the United States of America and is highly refined, so as to be considered synthetic from plant starting material. No animal-derived components were used in the manufacture of this product.

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: August 2023



Gary Seckinger, Ph.D.



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