



CERTIFICATE OF ANALYSIS

Product Name: **D-Fructose**

High Purity Grade

Catalog Number: F011

Molecular Formula: $C_6H_{12}O_6$

Lot Number: 07172013

Formula Weight: 180.16

CAS Number: 57-48-7

Storage: 15 to 30°C

Retest Date: 30-SEP-2023

| <u>Test</u> | <u>Specifications</u> | <u>Results</u> |
|--------------------------|---------------------------|----------------|
| Appearance | Fine White Powder | PASS |
| Identification | Passes Test | PASS |
| Purity | $\geq 99.0 \%$ | 101.0 % |
| Loss on Drying | $\leq 0.5 \%$ | < 0.1 % |
| Residue on Ignition | $\leq 0.5 \%$ | < 0.1 % |
| Infrared Spectrum | Conforms to Structure | PASS |
| Heavy Metals (as Pb) | $\leq 0.0005 \%$ | < 0.0005 % |
| Arsenic (As_2O_3) | $\leq 0.0001 \%$ | < 0.0001 % |
| Chloride (Cl) | < 0.018 % | < 0.018 % |
| Sulfate (SO_4) | < 0.025 % | < 0.025 % |
| Calcium and Magnesium | $\leq 0.005 \%$ | < 0.005 % |
| Solubility (5%, H_2O) | Clear, Colorless Solution | PASS |
| pH (5%, H_2O) | Record | 5.34 |

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for Laboratory Use Only

Prepared by:

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Quality Control

Reviewed by: