



CERTIFICATE OF ANALYSIS

Product Name: **D-Glucose, Anhydrous**
USP Grade

Catalog Number: G013 Molecular Formula: $C_6H_{12}O_6$
Lot Number: 05182027 Formula Weight: 180.16
CAS Number: 50-99-7 Storage: 15 to 30°C
Source: Plant Retest Date: 30-NOV-2025

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White Powder	PASS
Identification	Passes Test	PASS
Color of Solution	Passes Test	PASS
Specific Rotation	+52.6° to +53.2°	+53.0°
Acidity	Passes Test	PASS
Loss on Drying	≤ 0.5 %	0.03 %
Residue on Ignition	≤ 0.1 %	0.01 %
Chloride (Cl)	≤ 0.018 %	< 0.018 %
Sulfate (SO ₄)	≤ 0.025 %	< 0.025 %
Arsenic (As)	≤ 1 ppm	< 1 ppm
Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Endotoxin	Record	< 0.25 EU/mL
Dextrin	Passes Test	PASS
Soluble Starch and Sulfite	Passes Test	PASS
Solubility (10%, H ₂ O)	Clear, Colorless Solution	PASS
pH (10%, H ₂ O)	Record	5.59

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

This product is intended for Laboratory Use Only

Prepared by:

Reviewed by:

Aaron Dryden 5/24/2018
Quality Control