



Certificate of Analysis

D-(+)-Glucose Anhydrous USP

Catalog Number: GL1005
Lot Number: 0517802
CAS Number: 50-99-7
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.16
Storage: 15°C – 30°C
QC Release Date: November 27, 2017
Retest Date: November 26, 2020

Test	Specification	Result
Appearance	Fine white powder	Conforms
Identification	To pass test	Conforms
Specific Rotation (c=10, H ₂ O)	+52.6° to +53.2°	+53.0°
Moisture	≤ 0.5%	0.03%
Color of Solution	To pass test	Pass
Acidity or Alkalinity (5g in 0.02M NaOH)	≤ 0.30mL	< 0.30mL
Residue on Ignition	≤ 0.1%	0.01%
Dextrins	To pass test	Conforms
Soluble Starch and Sulfite	To pass test	Conforms
Chloride	≤ 0.018%	< 0.018%
Sulfate	≤ 0.025%	< 0.025%
Heavy Metal	≤ 5ppm	< 5ppm
Arsenic	≤ 1ppm	< 1ppm
Residual Solvents	None	Conforms
Endotoxin	≤ 1.25EU/mL	< 0.25EU/mL
This lot meets the specifications for USP35.		

Approved by:

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Date: May 17, 2018