

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-23 16:47:09
 Date of Next Testing: 2030-01-22 16:47:09
 Product Name: **D-(+)-Glucose , anhydrous**
 CAS Number: 50-99-7
 Specifications & Purity: Anhydrous Grade, PharmPure™, Moligand™, pharmaceutical grade
 Lot #: A2619546
 SKU #: **D639737**
 Version: **3**
 Analysis #: **647562**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	99.5-100 (%)	99.93900 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$	52.6-53.2 (°)	53.00000 °
Chloride Content	0-0.01 (%)	0.00200 %
Loss on drying	0-1 (%)	0.10000 %
Ignition Residue	0-0.1 (%)	0.00000 %
Calcium(Ca)	0-0.01 (%)	0.00000 %
Iron(Fe)	0-0.001 (%)	0.00000 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.01000 %
Mold and yeast count	0-100 (cfu/g)	0.00000 cfu/g
Endotoxin limit	0-2.5 (EU/g)	0.00000 EU/g
Heavy metal (as Pb)	0-0.04 (ppm)	0.00220 ppm
The Total Number of Aerobic Bacteria	0-1000 (cfu/g)	0.00000 cfu/g
Appearance(D639737)	White crystalline powder	white crystalline powder
Escherichia Coli	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager