

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-09-12 11:44:15

Date of Next Testing: 2030-09-11 11:44:15

Product Name: **D-(+)-Glucose , anhydrous**

CAS Number: 50-99-7

Grades & Purity: Anhydrous Grade, PharmPure™, Moligand™, pharmaceutical grade

Lot #: I2607014

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 [α] ₂₀ /D(c=10 in H ₂ O: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

John Su

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QA & QC Manager