

Certificate of Analysis

Date of Testing: 2023-11-22 10:14:21

Date of Next Testing: 2027-11-21 10:14:21

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

CAS Number: 50-99-7

Specifications & Purity: Anhydrous grade; Medicinal grade

Lot #: K2316219

SKU # **D639737**

Analysis: **297948**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	99.5-100 (%)	99.71 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}:\text{NH}_3(2+3) = 99.2:0.8)$	52.6-53.2 (°)	52.61 °
Chloride Content	0-0.01 (%)	0.00 %
Loss on drying	0-1 (%)	0.01 %
Ignition Residue	0-0.1 (%)	0.07 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Arsenic(As)	0-0.0001 (%)	0.00000 %
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.00 %
Total number of anaerobic bacteria	0-1000 (cfu/g)	10.00000 cfu/g
Mold and yeast count	0-100 (cfu/g)	10.00000 cfu/g
Endotoxin limit	0-2.5 (EU/g)	1.00000 EU/g
Heavy metal (as Pb)	0-0.04 (ppm)	0.00 ppm
Appearance(D639737)	White crystalline powder	white crystalline powder
Escherichia Coli	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager