

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-09-18 10:24:58
Date of Next Testing:	2028-09-17 10:24:58
Product Name:	<b>D-(+)-Glucose , anhydrous</b>
CAS Number:	50-99-7
Specifications & Purity:	biotechnology Grade
Lot #:	I2410444
SKU #	<b>D274366</b>
Version	<b>2</b>
Analysis #:	<b>393045</b>
Storage Temperature:	Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99.5-100 (%)	99.68000 %
(As)Arsenic	0-0.00004 (%)	0.00 %
Chloride Content	0-0.01 (%)	0.00 %
Heavy metals(as Pb)	0-0.0005 (%)	0.00 %
Insoluble matter	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Loss on drying	0-0.2 (%)	0.03 %
Ignition Residue	0-0.02 (%)	0.00 %
Specific Rotation $[\alpha]_{20}^D(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$	52.5-54.0 (°)	53.06°
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
DNases	none detected	none detected
RNases	none detected	none detected
proteases	none detected	none detected



---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager