

Certificate of Analysis

Date of Testing: 2023-02-28 18:11:09

Date of Next Testing: 2027-02-27 18:11:09

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

CAS Number: 50-99-7

Specifications & Purity: biotechnology Grade

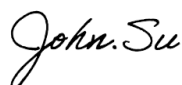
Lot #: B2321176

SKU #: **D274366**

Analysis: 151528

Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99.5-100 (%)	99.58200%
(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%
Sulfate(SO42-)	0-0.005 (%)	0.00%
Ignition Residue	0-0.02 (%)	0.00%
Specific Rotation [a] _D 20/D(c=10 in H ₂ O:NH ₃ (2+3) = 99.2:0.8)	52.5-54.0 (°)	52.51°
DNases	none detected	none detected
RNases	none detected	none detected
proteases	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager