

## Certificate of Analysis

Date of Testing: 2023-12-19 11:46:53

Date of Next Testing: 2027-12-18 11:46:53

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

CAS Number: 50-99-7

Specifications & Purity: biotechnology Grade

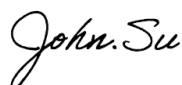
Lot #: L2311218

SKU #: **D274366**

**Analysis: 298343**

Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99.5-100 (%)	99.81300 %
(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 (%)	0.05 %
Ignition Residue	0-0.02 (%)	0.00 %
Sulfate(SO42-)	0-0.005 (%)	0.00 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O:NH <sub>3</sub> (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