

Certificate of Analysis

Date of Testing: 2023-11-21 13:04:47

Date of Next Testing: 2027-11-20 13:04:47

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

CAS Number: 50-99-7

Specifications & Purity: biotechnology Grade

Lot #: K2320216

SKU #: **D274366**

Analysis: 292813

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99.5-100 (%)	99.55300%
(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 (%)	0.12%
Ignition Residue	0-0.02 (%)	0.00%
Sulfate(SO42-)	0-0.005 (%)	0.00%
Specific Rotation [α] 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