

Certificate of Analysis

Date of Testing:	2024-09-18 10:24:47
Date of Next Testing:	2028-09-17 10:24:47
Product Name:	D-(+)-Glucose , anhydrous
CAS Number:	50-99-7
Specifications & Purity:	biotechnology Grade
Lot #:	I2410443
SKU #	D274366
Version	2
Analysis #:	393045
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 ₄ ²⁻)	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



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

John Su
QA & QC Manager