

Certificate of Analysis

Date of Testing: 2024-09-26 14:40:56

Date of Next Testing: 2028-09-25 14:40:56

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

CAS Number: 50-99-7

Specifications & Purity: AR

Lot #: I2423296

SKU #: **G116300**

Version: **2**

Analysis #: **406139**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Chloride (Cl-)	0-0.002 (%)	0.00 %
Loss on drying	0-2 (%)	0.13 %
Iron(Fe)	0-0.002 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Sulfate(SO42-)	0-0.004 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D(c=10 \text{ in H}_2\text{O}:\text{NH}_3(2+3) = 99.2:0.8)$	50-54 (°)	53.64°
Acidity	0-0.006 (mmol/g)	0.00 mmol/g
Appearance (G116300)	White powder	White powder
Dextrin	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager