

## Certificate of Analysis

Date of Testing: 2024-02-29 16:49:12  
 Date of Next Testing: 2028-02-28 16:49:12  
 Product Name: **D-(+)-Glucose**  
 CAS Number: 50-99-7  
 Specifications & Purity: reagent grade  
 Lot #: B2423825  
 SKU #: **G116300**  
**Analysis:** **325038**  
 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 (%)	0.14 %
Iron(Fe)	0-0.002 (%)	0.00 %
Calcium(Ca)	0-0.002 (%)	0.00 %
Sulfate(SO42-)	0-0.004 (%)	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)	50-54 (°)	53.10°
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