

Certificate of Analysis

Date of Testing: 2022-12-27 11:54:10
Date of Next Testing: 2026-12-26 11:54:10
Product Name: **D-(+)-Glucose**
CAS Number: 50-99-7
Specifications & Purity: $\geq 99.5\%$ (GC)
Lot #: L2223046
SKU #: **G116302**
Analysis: 171823
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } 0.2\% \text{ ammonium hydroxide})$	50-54 ($^{\circ}$)	50.02 $^{\circ}$
Purity(GC)	99.5-100 (%)	99.58%
Appearance (G116302)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear colorless solution at 2 g in 15 ml of water	pass	Pass



John Su
QA & QC Manager