

## Certificate of Analysis

Date of Testing: 2023-04-11 23:39:07  
Date of Next Testing: 2027-04-10 23:39:07  
Product Name: **D-(+)-Glucose**  
CAS Number: 50-99-7  
Specifications & Purity:  $\geq 99.5\%$ (GC)  
Lot #: D23031151  
SKU #: **G116302**  
**Analysis:** **209233**  
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 (%)	99.89%
Appearance (G116302)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear colorless solution at 2 g in 15 ml of water	pass	Pass



John Su  
QA & QC Manager