

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-26 17:19:14  
Date of Next Testing: 2027-05-25 17:19:14  
Product Name: **D-(+)-Glucose**  
CAS Number: 50-99-7  
Specifications & Purity: for cell culture,for insect cell culture,≥99.5%  
Lot #: E2324595  
SKU #: **G116307**  
**Analysis: 228418**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99.5-100 (%)	99.89400 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}:\text{NH}_3(2+3) = 99.2:0.8)$	50-54 (°)	53.98°
Appearance (G116307)	white powder	White powder
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insect cell culture test	pass	Pass
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