

Certificate of Analysis

Date of Testing: 2023-09-20 17:27:07
Date of Next Testing: 2027-09-19 17:27:07
Product Name: **D-(+)-Glucose**
CAS Number: 50-99-7
Specifications & Purity: for cell culture,for insect cell culture,≥99.5%
Lot #: I2315210
SKU #: **G116307**
Analysis: **279177**
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 (°)	51.20°
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 ₂ O , clear colorless solution at 2 g in 15 ml of water	pass	Pass



John Su
QA & QC Manager