

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-27 11:03:46
Date of Next Testing: 2027-12-26 11:03:46
Product Name: **D-(+)-Glucose**
CAS Number: 50-99-7
Specifications & Purity: for cell culture,for insect cell culture,≥99.5%
Lot #: L2326142
SKU #: **G116307**
Analysis: **309112**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Purity(HPLC) | 99.5-100 (%) | 99.59600 % |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}:\text{NH}_3(2+3) = 99.2:0.8)$ | 50-54 (°) | 51.65° |
| 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