

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-25 15:12:43  
 Date of Next Testing: 2029-12-24 15:12:43  
 Product Name: **D-(+)-Glucose**  
 CAS Number: 50-99-7  
 Specifications & Purity: Moligand™, for cell culture, for insect cell culture, ≥99.5%  
 Lot #: L2522387  
 SKU #: **G116307**  
 Version: **2**  
 Analysis #: **631514**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                                             | Limit Values          | Result                |
|---------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC)                                                                          | 99.5-100 (%)          | 99.59300 %            |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O:NH}_3(2+3) = 99.2:0.8)$ | 50-54 (°)             | 52.86400 °            |
| 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