

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-21 17:12:23  
Date of Next Testing: 2026-03-20 17:12:23  
Product Name: **D-(+)-Glucose**  
CAS Number: 50-99-7  
Specifications & Purity: reagent grade  
Lot #: C2219360  
SKU #: **G116300**  
**Analysis:** **057358**  
Storage Temperature: Argon charged

| Parameter                               | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Ignition Residue (as sulfate)           | 0-0.05 (%)            | 0.00 %                |
| Heavy metal (as Pb)                     | 0-0.0005 (%)          | 0.00 %                |
| Chloride (Cl-)                          | 0-0.002 (%)           | 0.00 %                |
| Specific Rotation [α] <sub>20/D</sub>   | 52.5-53 (°)           | 52.56°                |
| Loss on drying                          | 0-2 (%)               | 0.90 %                |
| Iron(Fe)                                | 0-0.0005 (%)          | 0.00 %                |
| Calcium(Ca)                             | 0-0.002 (%)           | 0.00 %                |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.004 (%)           | 0.00 %                |
| Appearance (G116300)                    | White powder          | White powder          |
| Acidity                                 | pass                  | Pass %                |
| Dextrin                                 | Pass                  | Pass                  |
| Infrared spectrum                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager