

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-08 03:10:55  
 Date of Next Testing: 2026-03-07 03:10:55  
 Product Name:  **$\alpha$ -D-Glucose**  
 CAS Number: 492-62-6  
 Specifications & Purity:  $\geq 96\%$   
 Lot #: C23031296  
 SKU #: **S170574**  
 Version: **0**  
 Analysis #: **166256**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                                    | Limit Values                                  | Result                                        |
|------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(HPLC)                                                                 | 96-100 (%)                                    | 99.36400 %                                    |
| Water by Karl Fischer                                                        | 0-1 (%)                                       | 0.19460 %                                     |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}+\text{Base})$ | 49-55 ( $^{\circ}$ )                          | 54.90000 $^{\circ}$                           |
| Appearance (S170574)                                                         | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                                                          | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager