

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-16 09:55:16  
 Date of Next Testing: 2029-10-15 09:55:16  
 Product Name: **2-Deoxy-D-glucose**  
 CAS Number: 154-17-6  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2514015  
 SKU #: **D109194**  
 Version: **0**  
 Analysis #: **553401**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                                 | Limit Values                            | Result                                  |
|---------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$           | 44-48 (°)                               | 46.36300 °                              |
| Purity(HPLC)                                                              | 98-100 (%)                              | 100.00000 %                             |
| Appearance (D109194)                                                      | White to light yellow powder to crystal | White to Light yellow powder to crystal |
| Proton NMR spectrum                                                       | Conforms to Structure                   | Conforms to Structure                   |
| Solubility, Colorless to faint yellow, clear (50 mg/mL, H <sub>2</sub> O) | pass                                    | Pass                                    |



John Su  
QA & QC Manager