

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |  |
|--------------------------|--|
| Date of Testing:         | 2024-09-05 13:50:36                      |
| Date of Next Testing:    | 2028-09-04 13:50:36                      |
| Product Name:            | <b>D-Glucose 6-phosphate sodium salt</b> |
| CAS Number:              | 54010-71-8                               |
| Specifications & Purity: | 97%                                      |
| Lot #:                   | I2403439                                 |
| SKU #                    | <b>G111871</b>                           |
| Version                  | <b>0</b>                                 |
| Analysis #:              | <b>402130</b>                            |
| Storage Temperature:     | Store at 2-8°C                           |

| Parameter  | Limit Values                                  | Result  |
|--|---|---|
| Purity(Total of isomer,anhydrous)  | 97-100 (%)                                    | 99.13 %                                       |
| Water by Karl Fischer  | 0-6 (%)                                       | 0.41 %  |
| inorganic phosphorus   | 0-0.5 (%)                                     | 0.12 %  |
| Sodium (Na)(anhydrous)   | 6.1-10.2 (%)                                  | 6.51 %  |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)                                     | 31-35 (°)                                     | 31.96 °                                       |
| Appearance (G111871)   | 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                         |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear pass<br>,50 mg/mL, H <sub>2</sub> O |   | Pass  |



John Su  
QA & QC Manager