

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-29 10:21:52  
Date of Next Testing: 2029-05-28 10:21:52  
Product Name: **D-(+)-Glucose**  
CAS Number: 50-99-7  
Specifications & Purity: Moligand™, Ultra pure, ≥99.5%  
Lot #: E2523319  
SKU #: **G116306**  
Version: **2**  
Analysis #: **512066**  
Storage Temperature: Room temperature, Argon charged

| Parameter   | Limit Values            | Result                  |
|---|-------------------------|-------------------------|
| Strontium(Sr)   | 0-0.0005 (%)            | 0.00000 %               |
| (Pb)Lead  | 0-0.0005 (%)            | 0.00000 %               |
| Chloride Content  | 0-0.005 (%)             | 0.00310 %               |
| Loss on drying  | 0-0.3 (%)               | 0.04028 %               |
| Bismuth(Bi)   | 0-0.0005 (%)            | 0.00000 %               |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O:NH <sub>3</sub> (2+3) = 99.2:0.8) | 50-54 (°)               | 50.52000 °              |
| Aluminum(Al)  | 0-0.0005 (%)            | 0.00000 %               |
| Barium(Ba)  | 0-0.0005 (%)            | 0.00000 %               |
| Purity(HPLC)  | 99.5-100 (%)            | 99.52200 %              |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )   | 0-0.005 (%)             | 0.00000 %               |
| Cobalt(Co)  | 0-0.0005 (%)            | 0.00000 %               |
| (As)Arsenic   | 0-0.0001 (%)            | 0.00000 %               |
| Ignition Residue (as sulfate)   | 0-0.1 (%)               | 0.00000 %               |
| Cadmium(Cd)   | 0-0.0005 (%)            | 0.00000 %               |
| Appearance (G116306)  | white powder            | White powder            |
| Insoluble matter  | pass                    | Pass                    |
| Solubility 1 M in H <sub>2</sub> O  | Colorless, Clear        | Colorless, Clear        |
| Filtration test   | corresponds to standard | corresponds to standard |
| Infrared spectrum   | Conforms to Structure   | Conforms to Structure   |



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager