

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-20 10:10:40
Date of Next Testing: 2027-10-19 10:10:40
Product Name: **4-Nitrophenyl α -D-glucoopyranoside**
CAS Number: 3767-28-0
Specifications & Purity: 99%
Lot #: J2318791
SKU #: **N109390**
Analysis: 044007
Storage Temperature: Store at -20°C

| Parameter | Limit Values | Result |
|--|--|--|
| Free P-Nitrophenol | 0-0.1 (%) | 0.00% |
| Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$ | 215-222 (°) | 216.64° |
| Purity(HPLC) | 99-100 (%) | 99.62300% |
| Appearance (N109390) | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in MeOH , Colorless to yellow-green clear to hazy 20mg/ml | pass | Pass |



John Su
QA & QC Manager