

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-08 16:20:06  
Date of Next Testing: 2028-10-07 16:20:06  
Product Name: **4-Nitrophenyl  $\alpha$ -D-glucoopyranoside**  
CAS Number: 3767-28-0  
Specifications & Purity:  $\geq 99\%$   
Lot #: 12429272  
SKU #: **N109390**  
Version: **0**  
Analysis #: **412962**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Free P-Nitrophenol	0-0.1 (%)	0.00%
Purity(HPLC)	99-100 (%)	99.03500%
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	215-222 ( $^{\circ}$ )	215.20 $^{\circ}$
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