

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-09 16:14:53  
Date of Next Testing: 2028-08-08 16:14:53  
Product Name: **4-Nitrophenyl  $\alpha$ -D-glucoopyranoside**  
CAS Number: 3767-28-0  
Specifications & Purity: 99%  
Lot #: H2402539  
SKU #: **N109390**  
Version: **0**  
Analysis #: **387268**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in H}_2\text{O})$	215-222 (°)	219.25 °
Purity(HPLC)	99-100 (%)	99.52800%
Free P-Nitrophenol	0-0.1 (%)	0.10%
Appearance (N109390)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Solubility in MeOH , Colorless to yellow-green clear to hazy 20mg/ml	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager