

## Certificate of Analysis

Date of Testing: 2024-05-09 09:57:25  
Date of Next Testing: 2028-05-08 09:57:25  
Product Name: **4-Nitrophenyl  $\alpha$ -D-glucoopyranoside**  
CAS Number: 3767-28-0  
Specifications & Purity: 99%  
Lot #: D2423432  
SKU #: **N109390**  
**Analysis:** **331867**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=0.5 in H <sub>2</sub> O)	215-222 (°)	220.35 °
Purity(HPLC)	99-100 (%)	99.76600%
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