

Certificate of Analysis

Date of Testing: 2025-01-08 14:24:43

Date of Next Testing: 2029-01-07 14:24:43

Product Name: **4-Nitrophenyl α -D-glucopyranoside**

CAS Number: 3767-28-0

Specifications & Purity: $\geq 99\%$

Lot #: A2503822

SKU #: **N109390**

Version: **0**

Analysis #: **439760**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Free P-Nitrophenol	0-0.1 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in } H_2O)$	215-222 (°)	216.25 °
Purity(HPLC)	99-100 (%)	99.08660 %
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