

Certificate of Analysis

Date of Testing: 2024-08-09 16:13:41
Date of Next Testing: 2028-08-08 16:13:41
Product Name: **4-Nitrophenyl α -D-glucoopyranoside**
CAS Number: 3767-28-0
Specifications & Purity: 99%
Lot #: H2402538
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