

Certificate of Analysis

Date of Testing: 2024-05-09 09:54:58
Date of Next Testing: 2028-05-08 09:54:58
Product Name: **4-Nitrophenyl α -D-glucoopyranoside**
CAS Number: 3767-28-0
Specifications & Purity: 99%
Lot #: D2423429
SKU #: **N109390**
Analysis: 331867
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 (°)	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