

Certificate of Analysis

Date of Testing: 2025-04-29 15:12:29
 Date of Next Testing: 2029-04-28 15:12:29
 Product Name: **4-Nitrophenyl α -D-glucopyranoside**
 CAS Number: 3767-28-0
 Specifications & Purity: $\geq 99\%$
 Lot #: D2521444
 SKU #: **N109390**
 Version: **1**
 Analysis #: **489179**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Free P-Nitrophenol	0-0.1 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in H}_2\text{O})}$	215-222 ($^{\circ}$)	219.14 $^{\circ}$
Purity(HPLC)	99-100 (%)	99.60000 %
Solubility in MeOH , Colorless to yellow-green clear to hazy 20mg/ml	pass	Pass
Appearance (N109390)	White to Off-White to yellow Powder or Solid or Chunks	White to Off-White to Yellow Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager