

Certificate of Analysis

Date of Testing: 2024-05-14 14:31:31

Date of Next Testing: 2028-05-13 14:31:31

Product Name: **4-Nitrophenyl α -D-galacto-pyran-oside**

CAS Number: 7493-95-0

Specifications & Purity: $\geq 98\%$

Lot #: E2408309

SKU #: **N100668**

Version: **1**

Analysis #: **350050**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-6 (%)	0.13 %
Purity(HPLC)	98-100 (%)	99.70200 %
Free P-Nitrophenol	0-0.1 (%)	0.01 %
Specific Rotation	230-253 ($^{\circ}$)	241.08 $^{\circ}$
[α] ₂₀ /D(c=1 in H ₂ O)		
Appearance (N100668)	White or off-white to cream to orange to green powder to crystal or crystalline powder	White or off-white to cream to orange to green powder to crystal or crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager