

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-17 09:52:53
Date of Next Testing: 2027-04-16 09:52:53
Product Name: **4-Nitrophenyl α -D-Mannopyranoside**
CAS Number: 10357-27-4
Specifications & Purity: >98.0%(HPLC)
Lot #: D23081357
SKU #: **N159659**
Analysis: 189820
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.85 %
Melting point	173-189 (°C)	173.12000 °C
Specific rotation $[\alpha]_{20/D}(c=0.2 \text{ in H}_2\text{O})$	150-170 (°)	151.36 °
Appearance(N159659)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager