

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-16 08:53:19

Date of Next Testing: 2029-07-15 08:53:19

Product Name: **4-Nitrophenyl β -D-Glucopyranoside Monohydrate**

CAS Number: 2492-87-7(Anhydrous)

Specifications & Purity: $\geq 98\%$

Lot #: J2106251

SKU #: **N106600**

Version: **0**

Analysis #: **540572**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.58300 %
Melting point	164-168 (°C)	165.16700 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-105--98 (°)	-98.13400 °
Water by Karl Fischer	3.8-7 (%)	6.79720 %
Appearance (N106600)	White to Off-White Powder	White to Off-White Powder
Beta-Glucosidase Detection Test	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager