

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-22 11:35:07

Date of Next Testing: 2029-10-21 11:35:07

Product Name: **4-Nitrophenyl 2-acetamido-2-deoxy- β -D-glucopyranoside**

CAS Number: 3459-18-5

Specifications & Purity: $\geq 98\%$

Lot #: J2520509

SKU #: **N107918**

Version: **1**

Analysis #: **589160**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	47.6-49.6 (%)	49.13 %
Nitrogen by Elemental Analysis	7.5-8.7 (%)	8.03 %
Water by Karl Fischer	0-2 (%)	0.29 %
Purity(TLC)	98-100 (%)	100.00 %
Specific Rotation $[\alpha]_{20/D}(c=0.25 \text{ in H}_2\text{O})$	-17--12 (°)	-16.95 °
Free P-Nitrophenol	0-0.05 (%)	0.05 %
Appearance (N107918)	White to light yellow or off-white powder to crystal	White to light yellow or off-white powder to crystal
Solubility in H ₂ O , Colorless to Faint Yellow, Clear, 5 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager