

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-03 18:10:08
Date of Next Testing: 2028-09-02 18:10:08
Product Name: **4-Nitrophenyl 2-acetamido-2-deoxy- β -D-glucopyranoside**
CAS Number: 3459-18-5
Specifications & Purity: 98%
Lot #: H2429476
SKU #: **N107918**
Version: **1**
Analysis #: **394896**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	47.6-49.6 (%)	48.79%
Nitrogen by Elemental Analysis	7.5-8.7 (%)	8.16%
Free P-Nitrophenol	0-0.05 (%)	0.00%
Specific Rotation $[\alpha]_{20/D}(c=0.25 \text{ in H}_2\text{O})$	-17--12 (°)	-16.28°
Purity(TLC)	98-100 (%)	99.97%
Water by Karl Fischer	0-2 (%)	0.46%
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