

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-09-03 17:31:02
Date of Next Testing:	2028-09-02 17:31:02
Product Name:	<b>4-Nitrophenyl 2-acetamido-2-deoxy-<math>\beta</math>-D-glucopyranoside</b>
CAS Number:	3459-18-5
Specifications & Purity:	98%
Lot #:	H2429477
SKU #	<b>N107918</b>
Version	<b>1</b>
Analysis #:	<b>394896</b>
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 <sub>2</sub> 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