

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-12-12 11:31:34
Date of Next Testing:	2028-12-11 11:31:34
Product Name:	4-Nitrophenyl 2-acetamido-2-deoxy-β-D-glucopyranoside
CAS Number:	3459-18-5
Specifications & Purity:	$\geq 98\%$
Lot #:	L2406471
SKU #	N107918
Version	1
Analysis #:	436489
Storage Temperature:	Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	47.6-49.6 (%)	48.94 %
Nitrogen by Elemental Analysis	7.5-8.7 (%)	8.08 %
Water by Karl Fischer	0-2 (%)	0.16 %
Purity(TLC)	98-100 (%)	99.32 %
Free P-Nitrophenol	0-0.05 (%)	0.00 %
Specific Rotation $[\alpha]_{20/D}(c=0.25 \text{ in H}_2\text{O})$	-17--12 (°)	-16.94°
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