

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-14 10:03:56
Date of Next Testing: 2028-05-13 10:03:56
Product Name: **4-Nitrophenyl 2-acetamido-2-deoxy- β -D-glucopyranoside**
CAS Number: 3459-18-5
Specifications & Purity: 98%
Lot #: E2410060
SKU #: **N107918**
Analysis: 027141
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	47.6-49.6 (%)	49.05 %
Nitrogen by Elemental Analysis	7.5-8.7 (%)	8.14 %
Free P-Nitrophenol	0-0.05 (%)	0.00 %
Water by Karl Fischer	0-2 (%)	1.01 %
Purity(TLC)	98-100 (%)	99.70 %
Specific Rotation $[\alpha]_{20/D}(c=0.25 \text{ in H}_2\text{O})$	-17--12 (°)	-14.47 °
Appearance (N107918)	White or off-white powder	White or off-white powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear,5 mg/mL	pass	Pass



John Su
QA & QC Manager