

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-23 14:13:57  
Date of Next Testing: 2027-02-22 14:13:57  
Product Name: **N-Acetylneuraminic acid**  
CAS Number: 131-48-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: B2321083  
SKU #: **A100555**  
Version: **0**  
Analysis #: **129462**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.92700 %
Specific Rotation $[\alpha]_{20}^D(c=2 \text{ in H}_2\text{O})$	-34--30 ( $^{\circ}$ )	-33.54 $^{\circ}$
Appearance (A100555)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Clear to Very Slightly Hazy(50 mg/ml of H <sub>2</sub> O)	pass	Pass



John Su  
QA & QC Manager