

## Certificate of Analysis

Date of Testing: 2022-10-14 15:05:50  
Date of Next Testing: 2026-10-13 15:05:50  
Product Name: **N-Acetylneuraminic acid**  
CAS Number: 131-48-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: J2210132  
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