

## Certificate of Analysis

Date of Testing: 2022-02-15 16:35:34  
Date of Next Testing: 2024-02-15 16:35:34  
Product Name: **N-Acetylmannosamine**  
CAS Number: 7772-94-3  
Specifications & Purity:  $\geq 98\%$   
Lot #: E1712055  
SKU #: **N131005**  
**Analysis:** **073608**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis(anhydrous)	42.4-44.5 (%)	44.39%
Nitrogen by Elemental Analysis (anhydrous)	6-6.6 (%)	6.38%
Purity(HPLC)	98-100 (%)	99.14800%
Water by Karl Fischer	5.8-11.5 (%)	9.49%
Appearance (N131005)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager