

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-25 11:38:29
Date of Next Testing: 2024-01-25 11:38:29
Product Name: **D-Mannosamine hydrochloride**
CAS Number: 5505-63-5
Specifications & Purity: $\geq 98\%$
Lot #: E1804125
SKU #: **D130872**
Analysis: **070024**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	32.7-34.1 (%)	33.73 %
Purity(HPLC)(mixture to Anomers)	98-100 (%)	99.58 %
Nitrogen by Elemental Analysis	6.2-6.8 (%)	6.36 %
Appearance (D130872)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager