

## Certificate of Analysis

Date of Testing: 2023-12-15 09:31:23

Date of Next Testing: 2025-12-14 09:31:23

Product Name: **D-Mannosamine hydrochloride**

CAS Number: 5505-63-5

Specifications & Purity: ≥98%

Lot #: L2312323

SKU #: **D130872**

Version: **0**

Analysis #: **299672**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	32.7-34.1 (%)	33.34 %
Purity(HPLC)(mixture to Anomers)	98-100 (%)	99.45 %
Nitrogen by Elemental Analysis	6.2-6.8 (%)	6.48 %
Appearance (D130872)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O	pass	Pass



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