

Certificate of Analysis

Date of Testing: 2023-10-24 14:29:18

Date of Next Testing: 2026-10-23 14:29:18

Product Name: **4-Methylmorpholine hydrochloride**

CAS Number: 3651-67-0

Specifications & Purity: 98%

Lot #: J2319613

SKU #: **M588891**

Analysis: **280201**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.24 %
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.48 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager