

Certificate of Analysis

Date of Testing: 2024-12-17 16:03:24

Date of Next Testing: 2026-12-17 16:03:24

Product Name: **Morpholine**

CAS Number: 110-91-8

Specifications & Purity: Standard for GC, $\geq 99.5\%$ (GC)

Lot #: L2412611

SKU #: **M109063**

Version: **0**

Analysis #: **452326**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.89%
Appearance (M109063)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager