

Certificate of Analysis

Date of Testing: 2024-12-27 10:32:02

Date of Next Testing: 2028-12-26 10:32:02

Product Name: **N-Methyl morpholine**

CAS Number: 109-02-4

Specifications & Purity: Distillation grade, ≥99.5%

Lot #: L2417271

SKU #: **M104643**

Version: **2**

Analysis #: **445081**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.434-1.437	1.44
Water by Karl Fischer	0-0.5 (%)	0.06 %
Purity(GC)	99.5-100 (%)	99.78 %
Appearance (M104643)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager