

Certificate of Analysis

Date of Testing: 2022-12-12 14:14:26
Date of Next Testing: 2026-12-11 14:14:26
Product Name: **N-Methyl morpholine**
CAS Number: 109-02-4
Specifications & Purity: purified by redistillation , 99.5%
Lot #: B1926128
SKU #: **M104643**
Analysis: 166418
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 (%)	0.02 %
Purity(GC)	99.5-100 (%)	99.55 %
Density (20°C)	0.917-0.922	0.92
Appearance (M104643)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager