

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-07 14:24:15

Date of Next Testing: 2025-06-26 14:24:15

Product Name: **4-Methylmorpholine N-oxide (NMO)**

CAS Number: 7529-22-8

Specifications & Purity: 50 wt. % in H₂O

Lot #: G2301615

SKU #: **M105979**

Version: **0**

Analysis #: **224285**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Density (20°C)	1.11-1.13	1.12000
Refractive index n ₂₀ /D	1.411-1.431	1.41930
Purity(Nonaqueous Titration)	50-55 (%)	50.19000 %
Appearance (M105979)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager