

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 16:46:29

Date of Next Testing: 2027-03-12 16:46:29

Product Name: **4-Aminomorpholine**

CAS Number: 4319-49-7

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: C2306847

SKU #: **A151029**

Version **0**

Analysis #: **002946**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.057-1.06	1.05700
Refractive index n _{20/D}	1.475-1.48	1.47790
Purity(GC)	98-100 (%)	98.01500 %
Appearance (A151029)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager