

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 19:59:32
 Date of Next Testing: 2027-03-12 19:59:32
 Product Name: **4-Aminomorpholine**
 CAS Number: 4319-49-7
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: C2306845
 SKU #: **A151029**
 Version: **0**
 Analysis #: **158419**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.057-1.06	1.05900
Refractive index n _{20/D}	1.475-1.48	1.47810
Purity(GC)	98-100 (%)	98.03100 %
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