

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-11 10:51:34

Date of Next Testing: 2026-02-10 10:51:34

Product Name: **Morpholine**

CAS Number: 110-91-8

Specifications & Purity: ACS, $\geq 99\%$

Lot #: B2207464

SKU #: **M109059**

Version: **0**

Analysis #: **067019**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Color Test	0-15	8.00
Purity(Titration by HCl)	99-100 (%)	99.50 %
Purity(GC)	99-100 (%)	99.44 %
Boiling point	126-130 (°C)	126.40 °C
Appearance (M109059)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager