

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-14 14:12:25

Date of Next Testing: 2029-10-13 14:12:25

Product Name: **Thiomorpholine**

CAS Number: 123-90-0

Specifications & Purity:  $\geq 98\%$

Lot #: L2122310

SKU #: **T111124**

Version: **1**

Analysis #: **586587**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values               | Result                     |
|------------------------------------|----------------------------|----------------------------|
| Refractive index n <sub>20/D</sub> | 1.537-1.54                 | 1.53900                    |
| Purity(GC)                         | 98-100 (%)                 | 98.74000 %                 |
| Appearance (T111124)               | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Proton NMR spectrum                | Conforms to structure      | Conforms to Structure      |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager