

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-10 15:48:54

Date of Next Testing: 2029-06-09 15:48:54

Product Name: **Morpholine**

CAS Number: 110-91-8

Specifications & Purity: AR, ≥99%

Lot #: E2523102

SKU #: **M109062**

Version: **0**

Analysis #: **491949**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values          | Result                |
|------------------------------------|-----------------------|-----------------------|
| Density (20°C)                     | 0.996-1.007           | 0.99600               |
| Purity(GC)                         | 99-100 (%)            | 99.85400 %            |
| Refractive index n <sub>20/D</sub> | 1.452-1.456           | 1.45470               |
| Appearance (M109062)               | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                  | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager