

# Certificate of Analysis

## Compound Information

**Product Name:** Morpholine hydrochloride  
**CAS No.:** 10024-89-2  
**Cat. No.:** G4096169  
**Molecular Formula:**  $C_4H_{10}ClNO$   
**Molecular Weight:** 123.58

## Batch Information

**Batch No.:** 9992722  
**Test Date:** 2024-12-03  
**Report Date:** 2024-12-04  
**Retest Date:** 2030-05-31  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

| Test   | Specification             | Result                    |
|--------|---------------------------|---------------------------|
| Purity | 98%+                      | 99.88%                    |
| NMR    | Consistent with structure | Consistent with structure |

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

