

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-02 17:19:33  
 Date of Next Testing: 2028-04-01 17:19:33  
 Product Name: **4-Methylmorpholine N-oxide monohydrate**  
 CAS Number: 70187-32-5  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: C2429653  
 SKU #: **M123105**  
 Version: **2**  
 Analysis #: **329577**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter            | Limit Values                      | Result                            |
|----------------------|-----------------------------------|-----------------------------------|
| Loss on drying       | 10-16 (%)                         | 10.27000 %                        |
| Purity               | 98-100 (%)                        | 98.55000 %                        |
| Melting point        | 71-75 (°C)                        | 73.92000 °C                       |
| Appearance (M123105) | White to cream Powder or crystals | White to cream Powder or crystals |
| Infrared spectrum    | Conforms to Structure             | Conforms to Structure             |



John Su  
QA & QC Manager