

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-02 17:07:38  
 Date of Next Testing: 2028-02-02 17:07:38  
 Product Name: **1-Methyl-2-pyrrolidinone**  
 CAS Number: 872-50-4  
 Specifications & Purity: AR, ≥99%(GC)  
 Lot #: A2623229  
 SKU #: **M100588**  
 Version: **0**  
 Analysis #: **654158**  
 Storage Temperature: Protected from light, Room temperature, Desiccated

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Color scale                         | 0-50                             | 25.00000                         |
| Water by Karl Fischer               | 0-0.1 (%)                        | 0.02480 %                        |
| Density (20°C)                      | 1.032-1.036                      | 1.03340                          |
| Refractive index n <sub>20</sub> /D | 1.468-1.472                      | 1.47090                          |
| Purity(GC)                          | 99-100 (%)                       | 99.90900 %                       |
| Appearance (M100588)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager