

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-10 13:46:45  
Date of Next Testing: 2027-12-10 13:46:45  
Product Name: **1-Methyl-2-pyrrolidinone**  
CAS Number: 872-50-4  
Specifications & Purity: AR, ≥99%(GC)  
Lot #: L2501167  
SKU #: **M100588**  
Version: **0**  
Analysis #: **623452**  
Storage Temperature: Protected from light, Desiccated

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Color scale                         | 0-50                             | 0.00                             |
| Water by Karl Fischer               | 0-0.1 (%)                        | 0.01 %                           |
| Density (20°C)                      | 1.032-1.036                      | 1.03                             |
| Refractive index n <sub>20</sub> /D | 1.468-1.472                      | 1.47                             |
| Purity(GC)                          | 99-100 (%)                       | 99.81 %                          |
| 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