

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-27 16:45:09  
 Date of Next Testing: 2029-06-26 16:45:09  
 Product Name: **1-Methyl-2-pyrrolidinone (NMP)**  
 CAS Number: 872-50-4  
 Specifications & Purity: HPLC grade, ≥99.5%  
 Lot #: G2518043  
 SKU #: **M100590**  
 Version: **1**  
 Analysis #: **534218**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Water by Karl Fischer               | 0-0.05 (%)                       | 0.01890 %                        |
| Density (20°C)                      | 1.032-1.036                      | 1.03410                          |
| UV Absorbance 300nm                 | 0-0.5                            | 0.11900                          |
| UV Absorbance 325nm                 | 0-0.1                            | 0.01700                          |
| Refractive index n <sub>20</sub> /D | 1.468-1.472                      | 1.47080                          |
| UV Absorbance 350nm                 | 0-0.01                           | 0.00800                          |
| UV Absorbance 400nm                 | 0-0.01                           | 0.00200                          |
| UV Absorbance 285nm                 | 0-1                              | 0.30200                          |
| Purity(GC)                          | 99.5-100 (%)                     | 99.85600 %                       |
| λ, H <sub>2</sub> O reference       | Pass                             | Pass                             |
| Appearance (M100590)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager