

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-15 17:15:36  
 Date of Next Testing: 2030-01-14 17:15:36  
 Product Name: **1-Methyl-2-pyrrolidinone (NMP)**  
 CAS Number: 872-50-4  
 Specifications & Purity: HPLC grade, ≥99.5%  
 Lot #: L2505341  
 SKU #: **M100590**  
 Version: **1**  
 Analysis #: **639126**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                          | Limit Values                     | Result                           |
|------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                         | 99.5-100 (%)                     | 99.51%                           |
| Water by Karl Fischer              | 0-0.05 (%)                       | 0.01%                            |
| Density (20°C)                     | 1.032-1.036                      | 1.03                             |
| UV Absorbance 300nm                | 0-0.5                            | 0.09                             |
| UV Absorbance 325nm                | 0-0.1                            | 0.03                             |
| Refractive index n <sub>20/D</sub> | 1.468-1.472                      | 1.47                             |
| UV Absorbance 350nm                | 0-0.01                           | 0.01                             |
| UV Absorbance 400nm                | 0-0.01                           | 0.00                             |
| UV Absorbance 285nm                | 0-1                              | 0.25                             |
| λ, H <sub>2</sub> O reference      | Pass                             | Pass                             |
| Proton NMR spectrum                | Conforms to Structure            | Conforms to Structure            |
| Appearance (M100590)               | Colorless to light yellow liquid | Colorless to light yellow liquid |



John Su  
QA & QC Manager