

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-18 17:04:59

Date of Next Testing: 2026-10-17 17:04:59

Product Name: **1-Methyl-2-pyrrolidinone**

CAS Number: 872-50-4

Specifications & Purity: 98%

Lot #: J2212145

SKU #: **M100589**

**Analysis:** **145666**

Storage Temperature: Protected from light, Desiccated

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Color scale                         | 0-50                             | 18.00                            |
| Refractive index n <sub>20</sub> /D | 1.468-1.472                      | 1.47                             |
| Density (20°C)                      | 1.032-1.036                      | 1.04                             |
| Purity(GC)                          | 99-100 (%)                       | 99.75 %                          |
| Water by Karl Fischer               | 0-0.1 (%)                        | 0.06 %                           |
| Appearance (M100589)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager