

## Certificate of Analysis

Date of Testing: 2023-06-02 16:21:23

Date of Next Testing: 2025-05-22 16:21:23

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

CAS Number: 872-50-4

Specifications & Purity: >99.0%(GC)

Lot #: E23291143

SKU #: **M100588**

**Analysis:** **233119**

Storage Temperature: Protected from light, Desiccated

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Color scale                         | 0-50                             | 10.00                            |
| Water by Karl Fischer               | 0-0.1 (%)                        | 0.03 %                           |
| 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 (%)                       | 99.61 %                          |
| 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