

## Certificate of Analysis

Date of Testing: 2022-12-07 19:01:38

Date of Next Testing: 2024-11-26 19:01:38

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

CAS Number: 872-50-4

Specifications & Purity: >99.0%(GC)

Lot #: L2202531

SKU #: **M100588**

**Analysis:** **163147**

Storage Temperature: Protected from light, Desiccated

| Parameter                          | Limit Values                     | Result                           |
|------------------------------------|----------------------------------|----------------------------------|
| Color scale                        | 0-50                             | 10.00                            |
| Water by Karl Fischer              | 0-0.1 (%)                        | 0.05 %                           |
| Density (20°C)                     | 1.032-1.036                      | 1.03                             |
| Refractive index n <sub>20/D</sub> | 1.468-1.472                      | 1.47                             |
| Purity(GC)                         | 99-100 (%)                       | 99.62 %                          |
| 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