

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-12-14 11:52:39  
Date of Next Testing: 2025-12-13 11:52:39  
Product Name: **1-Methyl-2-pyrrolidinone**  
CAS Number: 872-50-4  
Specifications & Purity: 98%  
Lot #: L2108583  
SKU #: **M100589**  
**Analysis:** **058395**  
Storage Temperature: Protected from light, Desiccated

Parameter	Limit Values	Result
Color scale	0-50	4.50
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 (%)	99.83%
Water by Karl Fischer	0-0.1 (%)	0.04%
Appearance (M100589)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager