

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-15 10:04:46  
Date of Next Testing: 2028-10-14 10:04:46  
Product Name: **1-Methyl-2-pyrrolidinone**  
CAS Number: 872-50-4  
Specifications & Purity: Chromatographic grade,  $\geq 99.5\%$   
Lot #: G2408596  
SKU #: **M100590**  
Version: **1**  
Analysis #: **417277**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.05 (%)	0.01%
Density (20°C)	1.032-1.036	1.03
UV Absorbance 300nm	0-0.5	0.05
UV Absorbance 325nm	0-0.1	0.01
Refractive index n <sub>20</sub> /D	1.468-1.472	1.47
UV Absorbance 350nm	0-0.01	0.00
UV Absorbance 400nm	0-0.01	0.00
UV Absorbance 285nm	0-1	0.20
Purity(GC)	99.5-100 (%)	99.53%
Appearance (M100590)	Colorless to light yellow liquid	Colorless to light yellow liquid
$\lambda$ , H <sub>2</sub> O reference	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager