

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-20 08:08:48  
Date of Next Testing: 2029-09-19 08:08:48  
Product Name: **1-Methyl-2-pyrrolidinone (NMP)**  
CAS Number: 872-50-4  
Specifications & Purity: HPLC grade,  $\geq 99.5\%$   
Lot #: I2510237  
SKU #: **M100590**  
Version: **1**  
Analysis #: **565687**  
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.05 (%)	0.03%
Density (20°C)	1.032-1.036	1.03
UV Absorbance 300nm	0-0.5	0.04
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
Purity(GC)	99.5-100 (%)	99.58%
UV Absorbance 285nm	0-1	0.08
Appearance (M100590)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
$\lambda$ , H <sub>2</sub> O reference	Pass	Pass



John Su  
QA & QC Manager