

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-23 10:25:16

Date of Next Testing: 2026-09-22 10:25:16

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

CAS Number: 872-50-4

Specifications & Purity: for HPLC, $\geq 99.5\%$

Lot #: I2216337

SKU #: **M100590**

Analysis: **130343**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.05 (%)	0.04 %
Density (20°C)	1.032-1.036	1.04
UV Absorbance 300nm	0-0.5	0.13
UV Absorbance 325nm	0-0.1	0.01
Refractive index n ₂₀ /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 (%)	99.68 %
UV Absorbance 285nm	0-1	0.34
Appearance (M100590)	Colorless to light yellow liquid	Colorless to light yellow liquid
λ , H ₂ O reference	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager