

Certificate of Analysis

Date of Testing: 2023-11-10 14:00:09

Date of Next Testing: 2027-11-09 14:00:09

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

CAS Number: 872-50-4

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

Lot #: J2331550

SKU #: **M100590**

Analysis: **288845**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
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 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 (%)	99.51 %
UV Absorbance 285nm	0-1	0.12
Water by Karl Fischer	0-0.05 (%)	0.05 %
Appearance (M100590)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
λ , H ₂ O reference	Pass	Pass



John Su
QA & QC Manager