

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-12-14 17:38:25
Date of Next Testing: 2025-12-13 17:38:25
Product Name: **1-Methyl-2-pyrrolidinone(NMP)**
CAS Number: 872-50-4
Specifications & Purity: $\geq 99.5\%$ (GC)
Lot #: L2108587
SKU #: **M103248**
Version: **2**
Analysis #: **058350**
Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.82500%
Refractive index n ₂₀ /D	1.468-1.472	1.47080
Water by Karl Fischer	0-0.02 (%)	0.01510%
Free amine	0-0.001 (%)	0.00040%
Density (20°C)	1.032-1.036	1.03590
Appearance (M103248)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager