

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-10 14:01:49

Date of Next Testing: 2028-05-09 14:01:49

Product Name: **1-Methyl-2-pyrrolidinone(NMP)**

CAS Number: 872-50-4

Specifications & Purity: $\geq 99.5\%$ (GC)

Lot #: D2425414

SKU #: **M103248**

Version: **2**

Analysis #: **342789**

Storage Temperature: Protected from light, Room temperature, Argon charged, Desiccated

| Parameter | Limit Values | Result |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC) | 99.5-100 (%) | 99.56900% |
| Refractive index n ₂₀ /D | 1.468-1.472 | 1.47080 |
| Water by Karl Fischer | 0-0.02 (%) | 0.01300% |
| Free amine | 0-0.001 (%) | 0.00074% |
| Density (20°C) | 1.032-1.036 | 1.03350 |
| Specific gravity | 1.025-1.035 | 1.03170 |
| 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