

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-09-18 13:49:06

Date of Next Testing: 2027-09-17 13:49:06

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

CAS Number: 872-50-4

Specifications & Purity: electronic grade, ≥99.9% metals basis

Lot #: C2521881

SKU #: **V31076**

Version: **0**

Analysis #: **487601**

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

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.03 (%)	0.01 %
Refractive index n ₂₀ /D	1.468-1.472	1.47
Hazen	0-25	0.00
Sodium(Na)	0-10 (ppb)	0.00 ppb
Molybdenum(Mo)	0-10 (ppb)	0.17 ppb
Phosphate(PO ₄)	0-0.05 (ppm)	0.00 ppm
Iron(Fe)	0-10 (ppb)	1.21 ppb
Calcium(Ca)	0-5 (ppm)	0.04 ppm
total diol	0-20 (ppm)	0.00 ppm
Cadmium(Cd)	0-10 (ppb)	0.07 ppb
Purity(GC)	99.9-100 (%)	99.93 %
Lithium(Li)	0-10 (ppb)	0.00 ppb
Potassium(K)	0-10 (ppb)	0.00 ppb
Magnesium(Mg)	0-10 (ppb)	0.00 ppb
Sulfate(SO ₄ ²⁻)	0-0.05 (%)	0.00 %
Zinc(Zn)	0-10 (ppb)	2.59 ppb
Nickel(Ni)	0-10 (ppb)	0.00 ppb
(NO ₃)Nitrate	0-0.05 (ppm)	0.00 ppm
Copper(Cu)	0-10 (ppb)	0.00 ppb
Cobalt(Co)	0-10 (ppb)	0.00 ppb
Aluminum(Al)	0-10 (ppb)	0.00 ppb
Manganese(Mn)	0-10 (ppb)	0.00 ppb
Chloride(Cl ⁻)	0-0.05 (ppm)	0.01 ppm
Silver(Ag)	0-10 (ppb)	0.00 ppb

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Parameter	Limit Values	Result
Total Amine	0-20 (ppm)	0.00 ppm
Chromium(Cr)	0-10 (ppb)	0.00 ppb
Lead(Pb)	0-10 (ppb)	0.12 ppb
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance(V31076)	Colorless to light yellow liquid	Colorless to light yellow liquid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

