

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-08 14:38:04

Date of Next Testing: 2027-09-07 14:38:04

Product Name: **1-Methyl-2-pyrrolidine ethanol**

CAS Number: 67004-64-2

Specifications & Purity:  $\geq 98\%$

Lot #: I2304218

SKU # **M102052**

Version **0**

**Analysis #:** **223276**

Storage Temperature: Room temperature

| Parameter                          | Limit Values               | Result                     |
|------------------------------------|----------------------------|----------------------------|
| Water by Karl Fischer              | 0-0.5 (%)                  | 0.30000 %                  |
| Density (20°C)                     | 0.961-0.965                | 0.96300                    |
| Purity(Neutralization titration)   | 97.5-102.5 (%)             | 99.50000 %                 |
| Refractive index n <sub>20/D</sub> | 1.47-1.472                 | 1.47090                    |
| Purity(GC)                         | 98-100 (%)                 | 98.00100 %                 |
| Appearance (M102052)               | Yellow to Dark Gold Liquid | Yellow to Dark Gold Liquid |
| Infrared spectrum                  | Conforms to Structure      | Conforms to Structure      |



John Su  
QA & QC Manager