

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-17 17:08:32  
Date of Next Testing: 2029-06-16 17:08:32  
Product Name: **1-Ethyl-2-pyrrolidinone(NEP)**  
CAS Number: 2687-91-4  
Specifications & Purity:  $\geq 99\%$   
Lot #: F2510202  
SKU #: **E101635**  
Version: **0**  
Analysis #: **234429**  
Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
$\gamma$ -Butyrolactone	0-0.1 (%)	0.05000 %
amine	0-0.1 (%)	0.02000 %
Purity(GC)	99-100 (%)	99.62000 %
Water by Karl Fischer	0-0.1 (%)	0.01990 %
Appearance (E101635)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager