

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-09 17:44:16

Date of Next Testing: 2027-02-08 17:44:16

Product Name: **1-Ethyl-2-pyrrolidinone(NEP)**

CAS Number: 2687-91-4

Specifications & Purity:  $\geq 99\%$

Lot #: B23031078

SKU #: **E101635**

Version: **0**

Analysis #: **160589**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
$\gamma$ -Butyrolactone	0-0.1 (%)	0.03600 %
amine	0-0.1 (%)	0.02600 %
Purity(GC)	99-100 (%)	99.08000 %
Water by Karl Fischer	0-0.1 (%)	0.03260 %
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