

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-09 18:25:51
Date of Next Testing: 2027-02-08 18:25:51
Product Name: **1-Ethyl-2-pyrrolidinone(NEP)**
CAS Number: 2687-91-4
Specifications & Purity: $\geq 99\%$
Lot #: B23031235
SKU #: **E101635**
Version: **0**
Analysis #: **160589**
Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
γ -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