

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-09 12:07:17

Date of Next Testing: 2026-03-08 12:07:17

Product Name: **2-Pyrrolidinone**

CAS Number: 616-45-5

Specifications & Purity: $\geq 99\%$

Lot #: C2205553

SKU #: **P112692**

Version: **1**

Analysis #: **074119**

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

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.77900 %
Density (25°C)	1.103-1.121	1.11200
Water by Karl Fischer	0-0.2 (%)	0.10000 %
Refractive index n ₂₀ /D	1.486-1.488	1.48780
Appearance (P112692)	colorless to light yellow liquid or semisolid	colorless to light yellow liquid or semisolid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager