

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-16 14:36:10

Date of Next Testing: 2029-09-15 14:36:10

Product Name: **trans-1-Methyl-4-carboxy-5-(3-pyridyl)-2-pyrrolidinone**

CAS Number: 33224-01-0

Specifications & Purity: $\geq 95\%$ (HPLC)(T)

Lot #: K2130620

SKU #: **T162149**

Version **0**

Analysis #: **572709**

Parameter	Limit Values	Result
Melting point	192-194 (°C)	192.44800 °C
Purity(HPLC)	95-100 (%)	99.81400 %
Purity(Neutralization titration)	94.5-105.5 (%)	98.62 %
Appearance (T162149)	White or light yellow powder	White or light yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager