

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-13 17:19:10

Date of Next Testing: 2027-07-12 17:19:10

Product Name: **Ethyl 4-pyrazolecarboxylate**

CAS Number: 37622-90-5

Specifications & Purity: $\geq 99\%$

Lot #: G2308081

SKU #: **E121781**

Version: **0**

Analysis #: **053619**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	50.6-52.2 (%)	50.70000 %
Purity(GC)	99-100 (%)	99.29100 %
Nitrogen by Elemental Analysis	19.6-20.3 (%)	20.00000 %
Melting point	76-80 (°C)	79.52000 °C
Appearance (E121781)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager