

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-30 10:12:07

Date of Next Testing: 2026-04-29 10:12:07

Product Name: **Ethyl 4-pyrazolecarboxylate**

CAS Number: 37622-90-5

Specifications & Purity: $\geq 99\%$

Lot #: D2225086

SKU #: **E121781**

Version: **0**

Analysis #: **078368**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	50.6-52.2 (%)	51.50000 %
Purity(GC)	99-100 (%)	99.54700 %
Nitrogen by Elemental Analysis	19.6-20.3 (%)	20.00000 %
Melting point	76-80 (°C)	79.86000 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (E121781)	White to Yellow Powder or crystal	White to yellow powder or crystals



John Su
QA & QC Manager