

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-22 15:03:08
 Date of Next Testing: 2026-12-21 15:03:08
 Product Name: **Ethyl 1,5-dimethyl-1H-pyrazole-3-carboxylate**
 CAS Number: 5744-51-4
 Specifications & Purity: $\geq 97\%$
 Lot #: G2312877
 SKU #: **E123050**
 Version: **0**
 Analysis #: **162701**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.2-57.5 (%)	57.03400 %
Purity(HPLC)	97-100 (%)	98.79000 %
Nitrogen by Elemental Analysis	15.7-16.9 (%)	16.73700 %
Appearance (E123050)	White to Off-White to yellow Solid, Powder, or Crystals	White to Off-White to Yellow Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager