

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-21 11:22:41

Date of Next Testing: 2024-10-20 11:22:41

Product Name: **Ethyl 2-amino-4,5-dimethylthiophene-3-carboxylate**

CAS Number: 4815-24-1

Specifications & Purity: $\geq 98\%$

Lot #: D1719017

SKU #: **E133454**

Version: **0**

Analysis #: **146900**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	98.00600 %
Melting point	90-94 (°C)	92.97500 °C
Purity(HPLC)	98-100 (%)	98.77500 %
Appearance (E133454)	Light Yellow to Orange Powder, Crystals or Chunks	Light Yellow to Orange Powder, Crystals or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager