

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-17 16:24:58  
Date of Next Testing: 2025-01-16 16:24:58  
Product Name: **2-(Dodecylthiocarbonothioylthio)-2-methylpropionic acid**  
CAS Number: 461642-78-4  
Specifications & Purity:  $\geq 97\%$  (HPLC)  
Lot #: D2115350  
SKU #: **D138874**  
**Analysis: 179870**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	54.6-57.4 (%)	57.09 %
Purity(HPLC)	97-100 (%)	98.33010 %
Purity (Titration by NaOH)	96.5-103.5 (%)	97.15 %
Sulfur by Elemental Analysis	25.7-27 (%)	26.46 %
Appearance (D138874)	White to Yellow to Tan Powder, Crystals or Chunks	White to Yellow to Tan Powder, Crystals or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager