

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 #: D2115341
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