



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-472272  
Lot Number: SAMPLE  
Product Name: Hexanoic acid-1-<sup>13</sup>C  
CAS Number: 58454-07-2  
Molecular Formula: CH<sub>3</sub>(CH<sub>2</sub>)<sub>4</sub>(<sup>13</sup>C)O<sub>2</sub>H  
Molecular Weight: 117.15

| Test                                  | Specification                                                                          | Result                               |
|---------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------|
| Appearance                            | Clear, colorless liquid                                                                | Complies                             |
| Enrichment                            | <sup>13</sup> C Enrichment: ≥ 99 atom% <sup>13</sup> C (based upon labelled precursor) | 99.4 atom% <sup>13</sup> C           |
| Identification (1H-NMR - FT)          |                                                                                        | Consistent with structure and purity |
| Identification ( <sup>13</sup> C-NMR) |                                                                                        | Consistent with structure and purity |
| Purity (GC)                           | ≥ 99%                                                                                  | 99.9%                                |
| Water Content                         | ≤ 0.5%                                                                                 | 0.16%                                |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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