

## Certificate of Analysis

Date of Testing: 2025-06-25 19:12:29

Date of Next Testing: 2029-06-24 19:12:29

Product Name: **Palmitic acid**

CAS Number: 57-10-3

Specifications & Purity: Moligand™, ≥97%

Lot #: F2520020

SKU #: **P101059**

Version: **0**

Analysis #: **168861**

| Parameter                                                               | Limit Values                                          | Result                                                |
|-------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Acid Value                                                              | 218-220 (mgKOH/g)                                     | 218.43 mgKOH/g                                        |
| Purity(GC)                                                              | 97-100 (%)                                            | 98.71 %                                               |
| Melting point                                                           | 62-66 (°C)                                            | 65.74000 °C                                           |
| Appearance (P101059)                                                    | White to Faint Yellow Powder,<br>Crystals or Granules | White to Faint Yellow Powder,<br>Crystals or Granules |
| Proton NMR spectrum                                                     | Conforms to Structure                                 | Conforms to Structure                                 |
| Solubility in CHCL <sub>3</sub> , clear colorless<br>solution,100 mg/ml | pass                                                  | Pass                                                  |



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