

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-13 17:25:52

Date of Next Testing: 2029-11-12 17:25:52

Product Name: **Palmitic acid**

CAS Number: 57-10-3

Specifications & Purity: Stearic acid $\leq$ 0.5%

Lot #: K2505731

SKU #: **P753896**

Version: **2**

Analysis #: **442007**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.89300 %
Condensation point	60-66 (°C)	65.86000 °C
Iodine value(g/100g)	0-1	0.00000
Water by Karl Fischer	0-1 (%)	0.18510 %
Acid value(KOH)	216-220 (mg/g)	218.56000 mg/g
Stearic acid	0-0.5 (%)	0.48000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(P753896)	White waxy solid	white waxy solid
PH value(The solution does not turn red)	Pass	Pass
Colour(Light Yellow No.1 Standard Colorimetric)	Pass	Pass



John Su
QA & QC Manager