

# Lotioncrafter

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48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

## Specification Sheet

### Stearic Acid

CAS No. 57-11-4, 57-10-3, 544-63-8

Items	Specifications
Acid Value (mg KOH/g)	207 – 211
Iodine Value (gI <sub>2</sub> /100g)	≤ 0.50
Titer, °C	54.5 – 57.0
Color (Lov. 5 ¼) Red	≤ 0.3
Color (Lov. 5 ¼) Yellow	≤ 3.0
Saponification value (mg KOH/g)	208 – 212
Water (Karl Fischer), %	≤ 0.2
Unsaponifiable Matter, %	≤ 0.2
Lead (ICP), ppm	≤ 2.0
Freezing Point, NF °C (USP/NF 35)	53.0 – 59.0
Residue on Ignition, NF % (USP/NF 35)	≤ 0.1
Heavy Metals NF, ppm (USP/NF 35)	≤ 10
Fats, Fixed Oils, Iodine value (USP/NF 35)	≤ 4.0
Acidity (USP/NF 35)	Pass
Color of Solution (USP/NF 35)	Pass
Residual Solvents (USP/NF 35)	Pass
Assay (USP/NF 35)	Pass
Certified Chick Edema Free (USP/NF 35)	Pass
Carbon Chain Distribution by GC, %	
C16	50.0 – 56.0
C18	41.0 – 47.0
C16 + C18	≥ 90.0

Country of Origin: Malaysia

Manufacturer: Emery - Emersol 7036

Shelf-life & Storage: 2 years from the date of manufacture, if stored under ambient conditions, protected from humidity and light.