

CERTIFICATE OF ANALYSIS

Product Name:	Stearic Acid		
INCI Name:	Stearic Acid		
CAS Number:	57-11-4		
Batch Number	20221202	Manufacture Date	20221202
Report Date	20221202	Expiry Date	20241201

Test Items	Specifications	Results
Acid value, MG KOH/G	Pale yellow Waxy solid (flakes, beads, powder)	Pass
Acid value, MG KOH/G	205.0-211.0	208.2
Palmitic Acid, Wt. %	40.0 min	45.8
C16 Plus C18 Acids, Wt %	90.0 min	93.2
Stearic Acid, Wt %	40.0 min	47.4
Color, % Trans., 440 NM	93 min	96
Iodine Value	0.50 max	0.10
Saponification Value	206-212	certified
Titer, C	54.5-55.5	54.8
Assay, NF	n/a	Certified
Congealing Temp, C, NF	53 min	Certified
Heavy Metals, NF, %	0.001 max	Certified
Residue on Ignition, NF %	0.1 max	Certified
Mineral Acidity, NF	n/a	Certified
Neutral Fats or Paraffin, NF	n/a	Certified
Organic Volatile Impurities, NF	n/a	Certified
Residual Solvents, NF	n/a	Certified
Heavy Metals, ppm	20 Maximum	Pass
Arsenic, ppm	2.0 Maximum	Pass
Microbiological Count, cfu/g (total plate count)	10 (2) Maximum	Pass

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging

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