LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Sodium Stearate, Derived from Palm Oil, RSPO MB, Kosher, Halal
Item Number: SOSTFP
Grade: USP/NF/Food
Lot Number: 5001170/4.1
Manufacture Date: 04/08/2024
Expiration Date: 04/07/2027
Country of Origin: Singapore

Tested Property	Specification	Analysis
Appearance	Powder	Powder
ID Freezing of Fatty Acids	>54oC	58oC
ID Fatty Acid Retention Time	Conforms	Conforms
ID Test for Sodium	Conforms	Conforms
Chlorides	<0.10%	0.05%
Sulfates	<0.3%	<0.3%
Iodine Value, gI2/100g	<1.0	<1.0
Sodium, %	7.4-8.5%	7.8%
Insoluble Substances	To Pass Test	Passed
Sieve Residue (100 Mesh)	<0.5%	0.4%
Bulk Density	200-320g/L	231g/L
Sulfated Ash	22.8-26.2%	24.0%
Acidity	0.85-1.2%	1.2%
Acidity mL NaOH 0.1M	0.60-0.85mL	0.84mL
Sodium Stearate Comp (C18)	Min 40%	42.9%
Sodium Stearate Comp (C16 + C18)	Min 90%	97.6%
Residual Solvents	Conforms	Conforms
Total Aerobic Microbial Count	<1000 CFU	<10 CFU
Mold & Yeast	<100 CFU	<10 CFU
Nickel	Max 5ppm	<0.4ppm

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Supply Chain Certification Number: SCS-RSPOSCC-000514

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