LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Stearic Acid, Beads, USP/FCC Grade
Item Number: STAGBU
CAS#: 57-11-4
Grade: USP/FCC
Lot Number: 5002337/8.1
Manufacture Date: 06/30/2026
Expiration Date: 05/30/2031
Country of Origin: India

Tested Property	Specification	Analysis
Appearance	White or almost white, waxy, flaky crystals, white or almost white hard masses or beads.	Pass
Solubility	Insoluble in water, soluble in 96% ethanol, 1g dissolves in about 20mL alcohol and in 2mL chloroform and in about 3mL ether.	Pass
Identification	To Pass the Test	Pass
Freezing Point	54.5ºC - 69ºC	56ºC
Acid Value	196 - 211	206.8
Arsenic	NMT 3 ppm	<3 ppm
Heavy Metals	NMT 10 ppm	<10 ppm
Saponification Value	192 - 212	196.1
Unsaponifiable Matter	NMT 1.5%	1.0%
Water	NMT 0.2%	0.14%
Appearance of Solution	To Pass the Test	Pass
Acidity	No red color develops	Pass
Iodine Value	NMT 4.0	1.42
Residue on Ignition	NMT 0.1% (4 mg)	0.04%
Bulk Density	NLT 0.80 g/mL	0.847 g/mL
Tapped Density	NLT 0.90 g/mL	1.0 g/mL
Particle Size Distribution	NMT 1.0% Retention on 16 Mesh	0.21%
Assay (Relative Contents of Stearic Acid and Palmitic Acid):		

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Contents of Stearic Acid	NLT 40.0%	42.50%
Sum of Stearic Acid and Palmitic Acid	NLT 90.0%	98.61%

Store in a cool, dry, and well-ventilated environment.

Stearic Acid, Beads, USP/FCC Grade

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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