LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: Calcium Stearate, Lab Grade
Item Number: CASTGL
CAS#: 1592-23-0
Grade: Lab
Lot Number: 5001471/2.1
Manufacture Date: 07/07/2025
Expiration Date: 06/07/2030
Country of Origin: United States

Tested Property	Specification	Analysis
Appearance	White or almost white bulky powder with a slight odor	Pass
ID A: Freezing Point	NLT 53°C	55°C
ID B: Calcium	Should comply the test	Pass
ID C: Chromatography	The major peak retention times of the sample solution corresponds to the standard solution	Pass
Stearic acid in fatty acid fraction	NLT 40%	42.36%
Sum of Stearic and Palmitic acid	NLT 90%	98.58%
Assay (Ca on dried basis)	6.4 to 7.4%	6.88%
Free fatty acids	NMT 3.0%	1.1%
Heavy metals	NMT 10 ppm	<10 ppm
Loss on Drying (LOD)	NMT 4.0%	2.15%
Arsenic	NMT 3 ppm	<3 ppm
Solubility	Practically insoluble in water and in 96% ethanol and in ether	Pass
Bulk Density	0.2 to 0.4 gm/mL	0.29 gm/mL

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

Calcium Stearate, Lab 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

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