



Sophix Natural
And Agro Products Ltd
 RC-1615742

Importers and dealers of
 - Natural and Organic Oils
 - Essential Oils
 - Natural Powders
 - Clays, etc
 - Agro Products
 - General Contracts

Certificate of Analysis

Product Name	Stearic Acid		
INCI Name:	STEARIC ACID		
CAS	57-11-4		
MF	C18H36O2		
EINECS	266-928-5		
Batch Number	20260609	Manufacture Date	20260609
Report Date	20260609		

Items Tested	Specifications	Results	Test Method
Physical and Chemical Analysis			
Appearance	Bead / Flake or Liquid at 56°C	Complies	Organoleptic examination
Acid Value	206 -214 mg KOH/g	Complies	ISO 660
Saponification Value	207 -215 mg KOH/g	Complies	ISO 3657
Iodine Value	0.5 max cg I2/g	Complies	ISO 3961
Colour (Lovibond 5 ¼" cell)	2.0Y, 0.3R max	Complies	Lovibond Colorimetry
Colour (APHA)	80 max	Complies	ASTM D1209
Titre	52.0°C - 56.0°C	Complies	ISO 6321
C14 & Below	3.0 max	Complies	GC / GC-FID
C16	58.0 -63.0	Complies	GC / GC-FID
C18:0	37.0-41.0	Complies	GC / GC-FID
Physical Characteristics			
Loss on Drying	≤ 5.00%	3.64%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
Bulk Density	0.45–0.60 g/mL	0.53 g/mL	USP <616> / Ph.Eur. 2.9.34
Heavy Metals (ICP-MS)			
Lead (Pb)	≤ 10 ppm	<0.5 ppm	ICP-MS
Arsenic (As)	≤ 2 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 1 ppm	<0.1 ppm	ICP-MS
Mercury (Hg)	≤ 1 ppm	<0.05 ppm	ICP-MS
Microbial Limits			
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

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

Shelf Life: 24 months if stored under the above conditions and remains in original packaging.



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