

CERTIFICATE OF ANALYSIS

Product Name	Trihydroxystearin
Product Code	AL00194
INCI Name	Trihydroxystearin
CAS Number	139-44-6
Lot Number	374
Manufacture Date	09/2025
Re-test Date	09/2027

Items	Specification	Results
Appearance	White/Pale Yellow Flakes	Conforms
Melting Point	84 – 88 [°C]	86.5
Color, Gardner	1 G Maximum.	Less than 1 G
Ignition Residue	≤ 0.5 [%]	0.0075
Water Content (K.F.)	≤ 0.5 [%]	0.083
Acid Value	1 Maximum. [mg KOH/gm]	0.61
Saponification Value	176 – 182 [mg KOH/gm]	181.34
Iodine Value	3 Maximum. [gml,/100gm]	2.18
Hydroxyl Value	130 – 164 [mg KOH/gm]	152.57
Heavy Metals	≤ 20 [ppm]	< 10
Arsenic	≤ 2 [ppm]	< 0.5
C-18-OH	≥ 80 [12-hydroxystearic acid %]	88.15
Infrared Abs. Spectrum	Characteristic absorption 2950	Complies
Total Aerobic Viable Microbial Count	< 100	< 10
Absence of pathogenic microorganisms	Absence	Complies

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
 When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required

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