

CERTIFICATE OF ANALYSIS

Product Name	Cotton Seed Oil
Product Code	AL00400
INCI Name	Gossypium Herbaceum Seed Oil
CAS Number	8001-29-4
Lot Number	LOT0021235
Manufacture Date	07/2025
Re-test Date	07/2027

Analytical Details	Range	Results
Appearance	Oily liquid	Complies
Odour	Odourless	Complies
Colour	Clear - Light Yellow	Complies
Specific Gravity	0.915 – 0.925 [20°C]	0.918
Refractive Index	1.460 – 1.477 [20°C]	1.472
Peroxide Value	< 1.0 [meq O ₂ /kg]	1.6
Iodine Value (calc)	99.0 – 122.0	110.0
Acid Value	≤ 0.2	0.11
Saponification Value	186.0 – 198.0 [mg KOH/g]	195.0
Unsaponifiable Matter	≤ 1.5 [%]	0.70
Alkaline Impurities	≤ 0.1 mL 0.01N HCl / 10 mL	Complies

C-Chain	Acid Name	Range %	Results
C14:0	Myristic	0.3 – 1.0	0.8
< C14:1	Myristoleic	≤ 0.2	0.0
C16:0	Palmitic	18.0 – 26.4	23.8
C16:1	Palmitoleic	≤ 1.2	0.5
C18:0	Stearic	2.1 – 3.3	2.5
C18:1	Oleic	14.0 – 21.7	17.1
C18:2	Linoleic	46.7 – 58.3	53.8
C18:3	Linolenic	≤ 1.0	0.5
C20:0	Arachidic	≤ 1.0	0.3
C20:1	Eicosenoic	≤ 0.5	0.1
C22:0	Behenic	≤ 0.6	0.2
C22:1	Erucic	≤ 0.5	< 0.1
C24:0	Lignoceric	≤ 0.5	0.1

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.

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Parameter	Specifications	Standards	Results
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	Conforms
Yeast and Mould	< 10 CFU/g	ISO 16212	Conforms
Candida albicans	Absent / 1 g	ISO 18416	Conforms
Escherichia coli	Absent / 1 g	ISO 21150	Conforms
Pseudomonas aeruginosa	Absent / 1 g	ISO 22717	Conforms
Staphylococcus aureus	Absent / 1 g	ISO 22718	Conforms

Parameter	Specifications	Standards	Results
Lead (Pb) (mg/kg or ppm)	< 10 ppm	n/a	Conforms
Arsenic (As) (mg/kg or ppm)	< 2 ppm	n/a	Conforms
Mercury (Hg) (mg/kg or ppm)	< 1 ppm	n/a	Conforms

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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