

CERTIFICATE OF ANALYSIS (COA)

Product Name	LEMON ESSENTIAL OIL
Botanical Name	Citrus limon
Product Code	PEO1097
CAS #	8008-56-8 ; 84929-31-7
FEMA #	2625
EINECS #	284-515-8
INCI Name	Citrus Limon (Lemon) Peel Oil

Batch #	10972403
Manufacturing Date	MARCH 2024
Best Before Date	FEBRUARY 2026

Part Used	Peels
Extraction Method	Cold Pressed Essential Oil
Quality	100% Pure and Natural
Note Classification	Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to slightly greenish yellow colored liquid	CONFORMS
Odour	Intense, lemon-fresh, zesty, tangy odour	CONFORMS
Refractive Index	1.447 - 1.491 @ 20°C	1.467
Specific Gravity (g/mL)	0.849 - 0.860 @ 20°C	0.855
Optical Rotation (°)	+55° to +66°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	CONFORMS
Yeast and Mould	< 10 CFU/g	ISO 16212	CONFORMS
Candida albicans	ABSENT / 1g	ISO 18416	CONFORMS
Escherichia coli	ABSENT / 1g	ISO 21150	CONFORMS
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	CONFORMS
Staphylococcus aureus	ABSENT / 1g	ISO 22718	CONFORMS

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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