

Fusis

Organic Essential Oils



Technical Data Sheet (TDS)

LEMON ESSENTIAL OIL

Product identification

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

Product details

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

Properties

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

Microbial analysis

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

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Heavy metal tests

Heavy Metal Tests	Specifications	Standards
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

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.

Document note

This Fusis Technical Data Sheet summarises supplier technical documentation held on file by Fusis. It is provided for traceability and technical reference only. It is not an independent laboratory report by Fusis. Please refer to all relevant technical and safety information specific to the product before use. Final suitability, formulation safety and regulatory compliance remain the responsibility of the user.

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