



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology

Product Name: Lemon Oil 5 Fold

Botanical Name: *Citrus limon*

CAS Number: 8008-56-8

EC Number: 284-515-8

Product Type: Folded Essential Oil

Plant Part: Peel

Extraction Method: Cold Pressed followed by Fractional Distillation (5 Fold)

Country of Origin: Italy

1. Product Information

Parameter	Details
Product Name	Lemon Oil 5 Fold
Botanical Name	<i>Citrus limon</i>
CAS Number	8008-56-8
EC Number	284-515-8
Product Type	Folded Essential Oil
Plant Part	Peel
Extraction Method	Cold Pressed followed by Fractional Distillation (5 Fold)
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Pale yellow to deep yellow	Conforms
Odour	Strong, fresh, concentrated lemon peel, citrus characteristic	Conforms
Solubility	Soluble in alcohol and perfumery solvents; insoluble in water	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Relative Density @20°C	0.850 – 0.875	Conforms
Refractive Index @20°C	1.475 – 1.485	Conforms
Optical Rotation	+35° to +65°	Conforms
Flash Point	50–60°C	Conforms

4. Major Constituents (Typical)

Constituent	Typical Range (%)
d-Limonene	40–65
Citral (Neral + Geranial)	3–8
β -Pinene	5–12
γ -Terpinene	3–8
α -Pinene	1–3
Linalool	Trace–2
Myrcene	Trace–2

Natural variation may occur depending on harvest, growing region and production batch.

5. Quality Assessment

Quality Parameter	Result
Botanical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance Conforms	PASS
Authentic Natural Material	PASS
Suitable for Perfumery Use	PASS

6. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store below 25 °C
Light Exposure	Protect from direct sunlight
Container	Keep tightly sealed in original container
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Lemon Oil 5 Fold (*Citrus limon*) conforms to internal quality specifications for natural aromatic raw materials and has been evaluated for botanical identity, physical characteristics and organoleptic quality.

This material is produced by cold pressing fresh lemon peel followed by fractional distillation (5 Fold concentration) to increase the concentration of oxygenated aromatic



constituents while reducing terpene content. It contains no added solvents, synthetic fragrances or diluents.

8. Authorisation

Approved By	Department
Fozia Khot	Director
Aromology Trading LLC	Dubai, UAE

9. Supplier Details

AROMOLOGY

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
Date of Manufacture	20 July 2025
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