



## CERTIFICATE OF ANALYSIS (COA)

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**Supplier:** Aromology  
**Product Name:** Lemon Essential Oil  
**Botanical Name:** *Citrus limon*  
**CAS Number:** 8008-56-8  
**EC Number:** 284-515-8  
**Product Type:** Essential Oil  
**Plant Part:** Peel  
**Extraction Method:** Cold Pressed  
**Country of Origin:** Italy

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### 1. Product Information

| Parameter         | Details                         |
|-------------------|---------------------------------|
| Product Name      | Lemon Essential Oil             |
| Botanical Name    | <i>Citrus limon</i>             |
| CAS Number        | 8008-56-8                       |
| EC Number         | 284-515-8                       |
| Product Type      | Essential Oil                   |
| Plant Part        | Peel                            |
| Extraction Method | Cold Pressed                    |
| Intended Use      | Perfumery, Cosmetics, Aromatics |
| Supplier          | Aromology                       |

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### 2. Physical & Organoleptic Specifications

| Test       | Specification                                                 | Result   |
|------------|---------------------------------------------------------------|----------|
| Appearance | Clear mobile liquid                                           | Conforms |
| Colour     | Pale yellow to yellow                                         | Conforms |
| Odour      | Fresh, citrus, sweet, characteristic of lemon peel            | Conforms |
| Solubility | Soluble in alcohol and perfumery solvents; insoluble in water | Conforms |

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### 3. Typical Analytical Characteristics

| Parameter              | Typical Range | Result   |
|------------------------|---------------|----------|
| Relative Density @20°C | 0.842 – 0.858 | Conforms |
| Refractive Index @20°C | 1.472 – 1.476 | Conforms |
| Optical Rotation       | +55° to +75°  | Conforms |



| Parameter   | Typical Range | Result   |
|-------------|---------------|----------|
| Flash Point | 47–50 °C      | Conforms |

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#### 4. Major Constituents (Typical)

| Constituent               | Typical Range (%) |
|---------------------------|-------------------|
| d-Limonene                | 55–75             |
| β-Pinene                  | 8–18              |
| γ-Terpinene               | 6–12              |
| Sabinene                  | 1–5               |
| α-Pinene                  | 1–3               |
| Citral (Neral + Geranial) | Trace–4           |
| Linalool                  | Trace–1           |
| Myrcene                   | Trace–3           |

*Natural variation may occur between harvests, growing regions and production batches.*

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#### 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   |

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#### 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 |

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#### 7. Statement of Conformity

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



This material is obtained by cold pressing the fresh peel of *Citrus limon* and contains no added solvents, synthetic fragrances or diluents.

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## 8. Authorisation

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

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## 9. Supplier Details

### AROMOLOGY

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## Document Information

| Parameter           | Details                       |
|---------------------|-------------------------------|
| Document            | Certificate of Analysis (COA) |
| Status              | APPROVED                      |
| Date of Manufacture | 18 July 2025                  |
| Date of Expiry      | 18 July 2027                  |
| Issue Date          | 21 July 2025                  |
| Version             | 2.0                           |