



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Lime Oil Distilled
Botanical Name: *Citrus aurantiifolia*
CAS Number: 90063-52-8
EC Number: 290-010-3
Product Type: Steam Distilled Essential Oil
Plant Part: Peel
Extraction Method: Steam Distillation
Country of Origin: Mexico

1. Product Information

Parameter	Details
Product Name	Lime Oil Distilled
Botanical Name	<i>Citrus aurantiifolia</i>
CAS Number	90063-52-8
EC Number	290-010-3
Product Type	Steam Distilled Essential Oil
Plant Part	Peel
Extraction Method	Steam Distillation
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Fresh, sweet, citrus, terpene, characteristic of distilled lime	Conforms
Solubility	Soluble in alcohol and perfumery solvents; insoluble in water	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Relative Density @20°C	0.855 – 0.875	Conforms
Refractive Index @20°C	1.468 – 1.478	Conforms
Optical Rotation	+20° to +45°	Conforms
Flash Point	48–55°C	Conforms

4. Major Constituents (Typical)

Constituent		Typical Range (%)
d-Limonene	35–50	
β-Pinene	10–18	
γ-Terpinene	8–15	
Terpinen-4-ol	2–8	
α-Terpineol	1–5	
Linalool	Trace–3	
Citral	Trace–1	

Natural variation may occur depending on harvest season, geographical origin 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 the original container
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Lime Oil Distilled (*Citrus aurantiifolia*) 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 obtained by steam distillation of fresh lime peel. The distillation process significantly reduces naturally occurring furocoumarins, making the oil particularly



suitable for fine fragrance and cosmetic applications requiring reduced phototoxic potential.

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	30 July 2025
Date of Expiry	30 July 2027
Issue Date	02 August 2025
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