



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Linalool Natural
Chemical Name: Linalool (Natural)
Source: Basil Essential Oil (*Ocimum basilicum*)
CAS Number: 8022-91-1
EC Number: 284-693-8
FEMA Number: 2635
Product Type: Natural Aroma Chemical
Country of Origin: Egypt

1. Product Information

Parameter	Details
Product Name	Linalool Natural Ex-Basil
Chemical Name	Linalool (Natural)
Source	Basil Essential Oil (<i>Ocimum basilicum</i>)
CAS Number	8022-91-1
EC Number	284-693-8
FEMA Number	2635
Product Type	Natural Aroma Chemical
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, floral, woody, sweet, characteristic of natural linalool	Conforms
Solubility	Slightly soluble in water; soluble in alcohol and perfumery solvents	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Purity (GC)	≥95.0%	Conforms
Relative Density @20 °C	0.858 – 0.868	Conforms
Refractive Index @20 °C	1.4600 – 1.4650	Conforms
Optical Rotation	+8° to +18°	Conforms



Parameter	Typical Range	Result
Flash Point	Approximately 74 °C	Conforms

4. Major Constituents (Typical)

Constituent	Typical Range (%)
Natural Linalool	≥95.0
Terpinen-4-ol	0.5–2.0
1,8-Cineole	Trace–1.0
α-Terpineol	Trace–1.0
Other Naturally Occurring Terpenes	<2.0

Minor variations may occur depending on basil variety, geographical origin and production batch.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Purity by GC	PASS
Natural Origin Verified	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 Linalool Natural Ex-Basil conforms to internal quality specifications for natural aroma chemicals and has been evaluated for identity, purity, physical characteristics and organoleptic quality.

This material is isolated from Basil Essential Oil (*Ocimum basilicum*) using fractional distillation and purification processes. It contains no added synthetic fragrances,



solvents or diluents and is suitable for use in fragrance, cosmetic and personal care applications.

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)
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