



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Alpha Pinene Natural
Chemical Name: Alpha-Pinene (Natural)
Synonyms: α -Pinene, Natural Alpha Pinene
CAS Number: 80-56-8
EC Number: 201-291-9
FEMA Number: 2902
Molecular Formula: C₁₀ H₁₆
Molecular Weight: 136.24 g/mol
Product Type: Natural Aroma Chemical
Country of Origin: France

1. Product Information

Parameter	Details
Product Name	Alpha Pinene Natural
Chemical Name	Alpha-Pinene (Natural)
Synonyms	α -Pinene, Natural Alpha Pinene
CAS Number	80-56-8
EC Number	201-291-9
FEMA Number	2902
Molecular Formula	C ₁₀ H ₁₆
Molecular Weight	136.24 g/mol
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	Conforms
Odour	Fresh, pine, resinous, woody, terpene	Conforms
Solubility	Insoluble in water; soluble in ethanol and organic solvents	Conforms

3. Analytical Characteristics

Parameter	Specification	Result
Purity (GC)	$\geq 95.0\%$	Conforms



Parameter	Specification	Result
Relative Density @20 °C	0.855–0.865	Conforms
Refractive Index @20 °C	1.4620–1.4680	Conforms
Optical Rotation	-55° to +50°	Conforms
Boiling Point	155–156 °C	Conforms
Flash Point	Approximately 33 °C	Conforms
Water Content (Karl Fischer)	≤0.20%	Conforms

4. Typical Composition

Constituent	Typical Content (%)
Alpha-Pinene	≥95.0
Beta-Pinene	1.0–4.0
Camphene	≤1.0
Other Naturally Occurring Terpenes	Balance

Minor variations may occur depending on the botanical source and isolation process.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
GC Purity	PASS
Physical Characteristics	PASS
Organoleptic Evaluation	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 closed in the original container
Atmosphere	Protect from air and moisture
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity



Aromology certifies that this batch of **Alpha Pinene Natural** complies with internal quality specifications for perfumery-grade natural aroma chemicals.

The material has been evaluated for identity, purity, physical characteristics and organoleptic quality and is suitable for professional fragrance manufacture. Alpha Pinene Natural is naturally isolated from essential oils and is widely used to impart fresh pine, resinous, woody and terpene notes in citrus, aromatic, fougère and woody fragrance compositions.

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	09 September 2025
Date of Expiry	09 September 2027
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