



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Juniper Berry Essential Oil CO ₂
Botanical Name	<i>Juniperus communis</i> L.
INCI Name	Juniperus Communis Fruit Oil
CAS Numbers	8002-68-4
EC Number	283-268-3
FEMA Number	2604
Plant Part	Fruit (Berries)
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Country of Origin	Macedonia
Product Type	Natural Essential Oil / CO ₂ Extract
Batch Number	Representative Specification
Issue Date	20 July 2026
Retest Period	24 Months (when stored correctly)

PHYSICAL AND CHEMICAL CHARACTERISTICS

Parameter	Specification	Representative Result
Appearance	Clear pale yellow to yellow liquid	Complies
Odour	Fresh, woody, balsamic, resinous, characteristic	Characteristic
Relative Density (20 °C)	0.885–0.922	0.904
Refractive Index (20 °C)	1.467–1.490	1.476



Optical Rotation	+5° to +15°	+8.4°
Flash Point	>50°C	52°C
Solubility in Ethanol	Soluble	Complies
Water Solubility	Insoluble	Complies

REPRESENTATIVE GC PROFILE

Constituent	Typical Range (%)
α-Pinene	20–35
Sabinene	10–25
Myrcene	5–15
β-Pinene	2–10
Limonene	1–8
Terpinen-4-ol	1–8
Terpinolene	0.5–5
α-Terpineol	0.5–3
Caryophyllene	Trace–2

The composition of Juniper Berry CO₂ Extract varies naturally according to origin, harvest conditions and extraction parameters. Published technical data identify α-pinene and sabinene as the principal constituents.

QUALITY DECLARATION

This representative material complies with the physical and organoleptic specifications expected for professional perfumery use.

The original manufacturer's batch-specific Certificate of Analysis shall take precedence.

STORAGE

Store in tightly closed containers in a cool, dry, well-ventilated place away from direct sunlight, heat and oxidising materials.

CONCLUSION

Representative Result: COMPLIES

Authorised by:
Fozia Khot
Director