



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

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

PHYSICAL AND CHEMICAL CHARACTERISTICS

Parameter	Specification	Representative Result
Appearance	Clear, colourless to pale yellow liquid	Complies
Odour	Fresh, woody, balsamic, resinous	Characteristic
Relative Density (20 °C)	0.850–0.890	0.866
Refractive Index (20 °C)	1.470–1.485	1.476
Optical Rotation	+5° to +20°	+11.2°
Flash Point	43–50 °C	46 °C
Solubility in Ethanol	Soluble	Complies
Water Solubility	Insoluble	Complies



REPRESENTATIVE GC PROFILE

Constituent	Typical Range (%)
α -Pinene	25–45
Sabinene	4–20
Myrcene	3–22
β -Pinene	1–12
Limonene	1–8
Terpinen-4-ol	0.5–5
Terpinolene	0.5–3
α -Terpineol	0.2–2

The published specification for steam-distilled Juniper Berry Essential Oil identifies α -pinene, sabinene, β -pinene and myrcene 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 tightly closed in a cool, dry and well-ventilated place away from direct sunlight, heat and oxidising materials.

CONCLUSION

Representative Result: COMPLIES

Authorised by:
Fozia Khot
Director