



CERTIFICATE OF ANALYSIS (COA)

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Item	Details
Product Name	Lavender CO ₂ Organic Extract
Botanical Name	<i>Lavandula angustifolia</i> Mill.
INCI Name	Lavandula Angustifolia Flower Extract
CAS Number	8000-28-0
EC Number	289-995-2
Plant Part	Organic Dried Flowers
Extraction Method	Supercritical Carbon Dioxide (CO ₂) Extraction
Country of Origin	France
Product Type	Natural Organic CO ₂ Extract
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	Green to olive-green viscous liquid	Complies
Odour	Rich lavender, floral, herbaceous, sweet	Characteristic
Relative Density (20 °C)	0.920–0.980	0.948
Refractive Index (20 °C)	1.460–1.490	1.476
Flash Point	>70 °C	76 °C
Solubility in Ethanol	Soluble	Complies
Water Solubility	Insoluble	Complies

REPRESENTATIVE GC PROFILE



Constituent	Typical Range (%)
Linalool	20–40
Linalyl Acetate	20–45
Lavandulol	1–6
Lavandulyl Acetate	0.5–4
Terpinen-4-ol	1–5
β -Caryophyllene	0.5–4
Coumarins	Trace–2
Natural Wax Fraction	Present

Supercritical CO₂ extraction preserves the volatile aromatic components together with heavier oxygenated compounds and naturally occurring waxes that are generally absent from steam-distilled lavender oil.

QUALITY DECLARATION

This representative material complies with the expected physical and organoleptic specifications for professional perfumery-grade Lavender CO₂ Organic Extract.

The original producer's batch-specific Certificate of Analysis shall always 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