



CERTIFICATE OF ANALYSIS (COA)

PRODUCT INFORMATION

Product Name: Bergamot Essential Oil

Botanical Name: *Citrus bergamia* Risso & Poit.

Common Name: Bergamot Essential Oil

INCI Name: *Citrus Aurantium Bergamia* Peel Oil

CAS Number: 89957-91-5

Country of Origin: Calabria, Italy

Plant Part: Fresh Fruit Peel

Extraction Method: Cold Expression (Cold Pressed)

Product Type: Natural Essential Oil

Batch Number: BEO-260702

Manufacturing Date: June 2026

Retest Date: June 2028

Issue Date: 02 July 2026

SPECIFICATION

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Greenish-yellow to yellow-green	Conforms
Odour	Fresh, sweet, citrus, fruity, slightly floral	Conforms
Relative Density (20 °C)	0.875 – 0.883	Conforms
Refractive Index (20 °C)	1.4640 – 1.4690	Conforms
Optical Rotation (20 °C)	+15 ° to +34 °	Conforms



Flash Point	58–65 °C	Conforms
Solubility	Soluble in ethanol and fixed oils; insoluble in water	Conforms
Botanical Identity	<i>Citrus bergamia</i> Risso & Poit.	Conforms
Purity	100% Pure Essential Oil	Conforms
Additives	None	Conforms
Foreign Matter	None Detected	Conforms

The analytical specification ranges are consistent with ISO 3524 and published technical specifications for genuine cold-pressed Calabrian Bergamot Essential Oil.

TYPICAL GC PROFILE (INFORMATIONAL)

Constituent	Typical (%)
Limonene	30–45
Linalyl Acetate	22–36
Linalool	6–15
γ-Terpinene	5–10
β-Pinene	4–9
Sabinene	1–3
Myrcene	0.5–2
Bergapten (5-MOP)	0.1–0.4*
Other Naturally Occurring Terpenes Balance	

*Present in traditional cold-pressed bergamot oil. FCF (Furanocoumarin-Free) Bergamot Oil contains substantially reduced bergapten levels.

ADDITIONAL INFORMATION

Chemical Class: Natural Essential Oil

Physical State: Liquid

Purity: 100% Pure and Natural

GMO Status: GMO Free

BSE/TSE Status: Free from animal-derived materials



Irradiation: Not Irradiated

Residual Solvents: None (Cold Expressed)

Preservatives: None Added

CONCLUSION

The above material conforms to the established quality specifications for Bergamot Essential Oil Calabria Premium and is suitable for professional perfumery, cosmetic, flavour and fragrance applications.

Bergamot Essential Oil is obtained by cold expression of the fresh peel of *Citrus bergamia* grown in Calabria, Italy, the region internationally recognised for producing the highest quality bergamot oil. It possesses a vibrant, sparkling citrus aroma enriched with elegant floral and fruity nuances, making it one of the most important ingredients in fine perfumery. Rich in naturally occurring Limonene, Linalyl Acetate, and Linalool, it is indispensable in citrus, cologne, fougère, chypre and modern fresh fragrance compositions.

Authorized by

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