



CERTIFICATE OF ANALYSIS (COA)

PRODUCT INFORMATION

Product Name: Basil Oil Extra

Botanical Name: *Ocimum basilicum* L.

Chemotype: Methyl Chavicol (Estragole)

INCI Name: *Ocimum Basilicum* Oil

CAS Number: 8015-73-4

EC (EINECS) Number: 283-900-8

FEMA Number: 2119

Country of Origin: Egypt

Plant Part: Leaves & Flowering Tops

Extraction Method: Steam Distillation

Product Type: Natural Essential Oil

Batch Number: BOC-260702

Manufacturing Date: June 2026

Retest Date: June 2028

Issue Date: 02 July 2026

SPECIFICATION

Test	Specification	Result
Appearance	Clear mobile liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Characteristic sweet, herbaceous, spicy, anise-like	Conforms



Specific Gravity (20 °C)	0.900 – 0.973	Conforms
Refractive Index (20 °C)	1.4900 – 1.5300	Conforms
Optical Rotation (20 °C)	-15.0° to +2.0°	Conforms
Botanical Identity	<i>Ocimum basilicum</i> L.	Conforms
Purity	100% Pure Essential Oil	Conforms
Additives	None	Conforms
Foreign Matter	None Detected	Conforms

The analytical specification ranges above are taken from published manufacturer specifications for **Basil Essential Oil (Methyl Chavicol Type)**.

TYPICAL GC PROFILE (INFORMATIONAL)

Constituent	Typical (%)
Estragole (Methyl Chavicol)	70–87
Linalool	5–20
1,8-Cineole	1–8
Eugenol	0.1–2
Methyl Eugenol	0.1–2
trans- α -Bergamotene	0.5–3
β -Caryophyllene	0.5–3
Other Naturally Occurring Terpenes	Balance

The methyl chavicol (estragole) chemotype is characterized by a naturally high estragole content, often reaching approximately 87%, depending on origin and harvest conditions.

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 (Steam Distilled)

Preservatives: None Added

CONCLUSION

The above material conforms to the established quality specifications for Basil Oil Extra – Exotic – Basil Chavicol and is suitable for professional perfumery, cosmetic, flavour and fragrance applications.

This chemotype is steam distilled from the leaves and flowering tops of *Ocimum basilicum* and is distinguished by its naturally high Estragole (Methyl Chavicol) content. It possesses a sweet, warm, herbaceous, anisic aroma with subtle spicy nuances, making it particularly valuable in fougère, aromatic, herbal, lavender, citrus and oriental fragrance compositions.

Authorized by

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