AROMATICS DATA

GC-MS BATCH SUMMARY

Batch FEN-109

November 6, 2026

Fennel Sweet Essential Oil

Foeniculum vulgare var dulce

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
July 15, 2025	Steam Distilled	Certified Organic	Spain

TOP 5 COMPONENTS

of 10 measured

(E)-anethole	Ether	**76.00%**
limonene (d)	Monoterpene	**8.62%**
α-pinene	Monoterpene	**3.78%**
fenchone	Ketone	**3.69%**
α-phellandrene	Monoterpene	**2.62%**

Full composition · 10 components across 3 families

Ether	**76.55%**
(E)-anethole	76.00%
estragole (methyl chavicol)	0.50%
(Z)-anethole	0.05%
Monoterpene	**17.22%**
limonene (d)	8.62%
α-pinene	3.78%
α-phellandrene	2.62%
β-myrcene	0.98%
γ-terpinene	0.72%
β-pinene	0.50%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

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Ketone	**3.69%**
fenchone	3.69%

REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C
1.5360	**15.424**

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