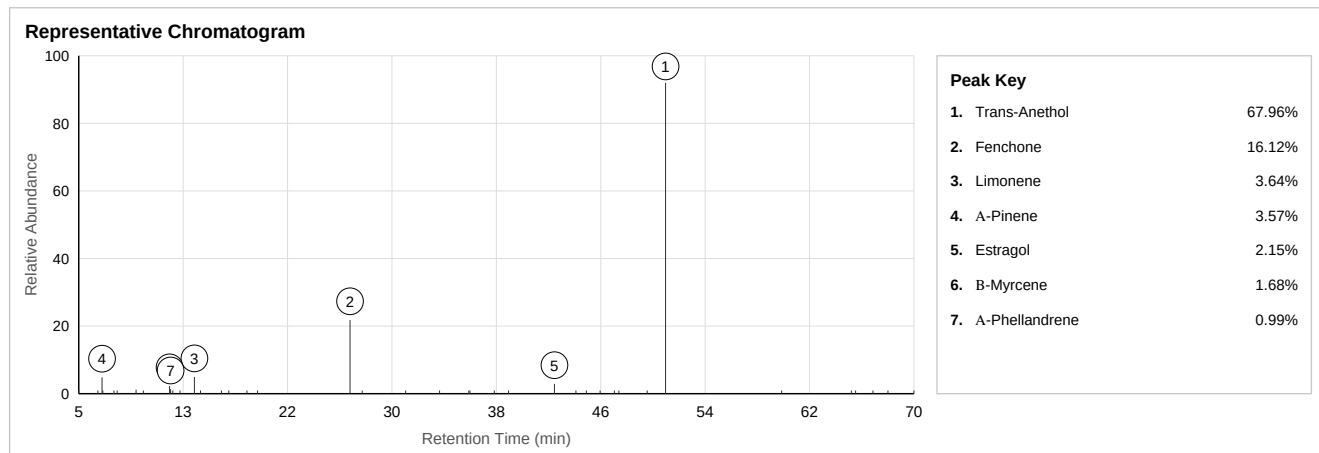


GC-MS Composition Profile

Product Name	Fennel Sweet
Botanical Name	Foeniculum vulgare
INCI Name	Foeniculum Vulgare Oil
Country of Origin	France
CAS Number	8006-84-6
Analysis Date	November 25, 2025
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
1	5.38	Isovaleraldehyde	0.02
2	6.86	Tricyclene	0.01
3	7.18	A-Pinene	3.57
4	7.24	A-Thuyene	0.02
5	8.10	A-Fenchene	0.02
6	8.35	Camphene	0.23
7	9.81	B-Pinene	0.88
8	10.37	Sabinene	0.09
9	12.40	B-Myrcene	1.68
10	12.48	A-Phellandrene	0.99
11	12.65	Psi-Limonene	0.05
12	13.21	A-Terpinene	0.05
13	14.32	Limonene	3.64
14	14.79	1,8-Cineole	0.43
16	16.41	Cis-B-Ocimene	0.02
17	16.98	Γ-Terpinene	0.62
18	18.38	P-Cymene	0.19
19	19.20	Terpinolene	0.14
20	26.35	Fenchone	16.12
21	27.29	Terpenic Alcohol	0.01
22	30.65	Trans-Thuyanol	0.04
23	33.27	Camphor	0.36
24	35.53	Linalool	0.03
25	35.62	Terpenic Compound	0.03
26	37.50	Fenchol	0.02
27	38.60	Terpinene-4-Ol	0.07
28	42.15	Estragol	2.15
29	43.81	A-Terpineol	0.03
30	44.62	Germacrene D	0.03
31	45.68	Carvone	0.05

Peak	RT (min)	Compound	Typical %
32	46.78	Cis-Anethol	0.11
33	47.13	Δ -Cadinene	0.02
34	49.32	Sabinol Isomer	0.01
35	50.74	Trans-Anethol	67.96
36	59.71	Anisaldehyde	0.20
37	65.10	Pentadecanone, Trimethyl-	0.01
38	65.43	Anicetone	0.05
39	66.77	Methylisoeugenol	0.03
40	67.93	Thymol	0.04
41	69.94	Myristicin	0.01

Percentages are presented as a typical composition profile prepared from current reliable source data. Small analytical and natural lot-to-lot variation is expected.