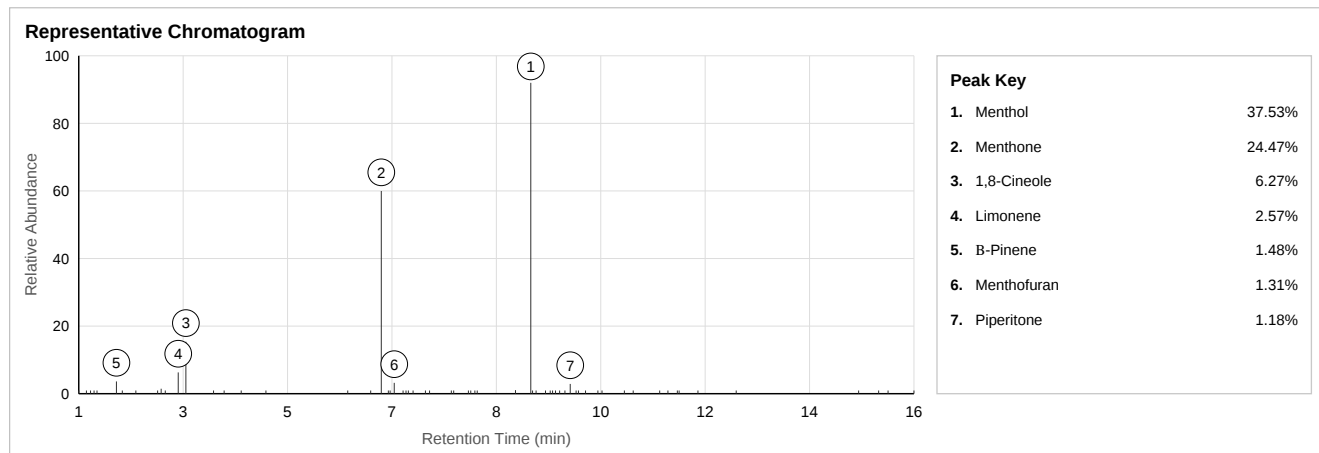


GC-MS Composition Profile

Product Name	Peppermint Supreme (USA)
Botanical Name	Mentha piperita
INCI Name	Mentha Piperita Oil
Country of Origin	USA
CAS Number	8006-90-4
Analysis Date	July 23, 2025
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
1	1.45	Trans-2,5- Diethyltetrahydrofuran	0.02
3	1.32	A-Thujene	0.03
5	6.61	Trans-3-Methylcyclohexanol	0.03
6	4.50	3-Methylcyclohexanone	0.03
7	1.58	Camphene	0.04
8	1.52	A-Fenchene	0.01
12	1.96	B-Pinene	1.48
13	2.06	Trans-2-Para-Menthene	0.01
14	6.58	Octen-3-Ol	0.01
15	1.63	Cis-Carane	0.03
16	3.79	Octan-3-One	0.02
17	2.72	Myrcene	0.60
18	5.89	Octan-3-Ol	0.29
19	2.66	Pseudolimonene	0.05
20	2.79	A-Terpinene	0.01
21	2.29	Carvomenthene	0.11
23	3.01	Limonene	2.57
24	3.14	1,8-Cineole	6.27
26	3.61	Γ-Terpinene	0.02
28	6.28	Cis-Linalool Oxide (Fur.)	0.02
29	7.98	Octanol	0.09
31	4.08	Terpinolene	0.01
33	7.65	Unknown Misc Xcix	0.08
38	7.00	Camphor	0.04
39	8.05	Cis-A-Dihydroterpineol	0.03
41	6.46	Menthone	24.47
44	6.68	Menthofuran	1.31
46	9.00	Menthol	37.53
48	8.74	Isomenthol	0.43
49	11.33	Para-Cymen-8-Ol	0.02

Peak	RT (min)	Compound	Typical %
50	9.58	A-Terpineol	0.15
51	9.25	Neoiso-Menthol	0.09
52	10.21	Dihydrocarveol	0.08
55	10.59	Iso-Dihydrocarveol ?	0.02
56	11.19	Trans-Carveol	0.03
57	11.49	Cis-Carveol	0.02
59	9.77	Carvone	0.10
60	9.67	Piperitone	1.18
61	11.52	Trans-Myrtanol	0.01
63	9.93	Pseudodiosphenol	0.02
65	6.88	Dihydroedulan I	0.13
67	14.91	Thymol	0.04
68	10.74	Diosphenol	0.03
69	8.09	Isomenthyl Acetate	0.07
73	11.84	Piperitenone	0.04
76	14.57	Eugenol	0.03
78	6.83	Longicyclene	0.09
80	6.92	A-Copaene	0.13
82	7.21	B-Bourbonene	0.26
85	7.28	Sativene	0.02
88	7.69	Longifolene	0.17
89	7.94	Isocaryophyllene	0.05
90	9.49	Decyl Acetate	0.11
102	9.03	E-Murolene?	0.05
103	9.09	A-Humulene	0.02
104	9.33	Γ-Murolene	0.05
105	9.37	A-Amorphene	0.04
107	9.42	Viridiflorene	0.02
108	9.81	A-Murolene	0.02
109	10.14	Δ-Cadinene	0.02
111	12.49	Caryophyllene Oxide	0.03
112	15.07	Meta-Camphorene	0.04
113	15.51	Para-Camphorene	0.02

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