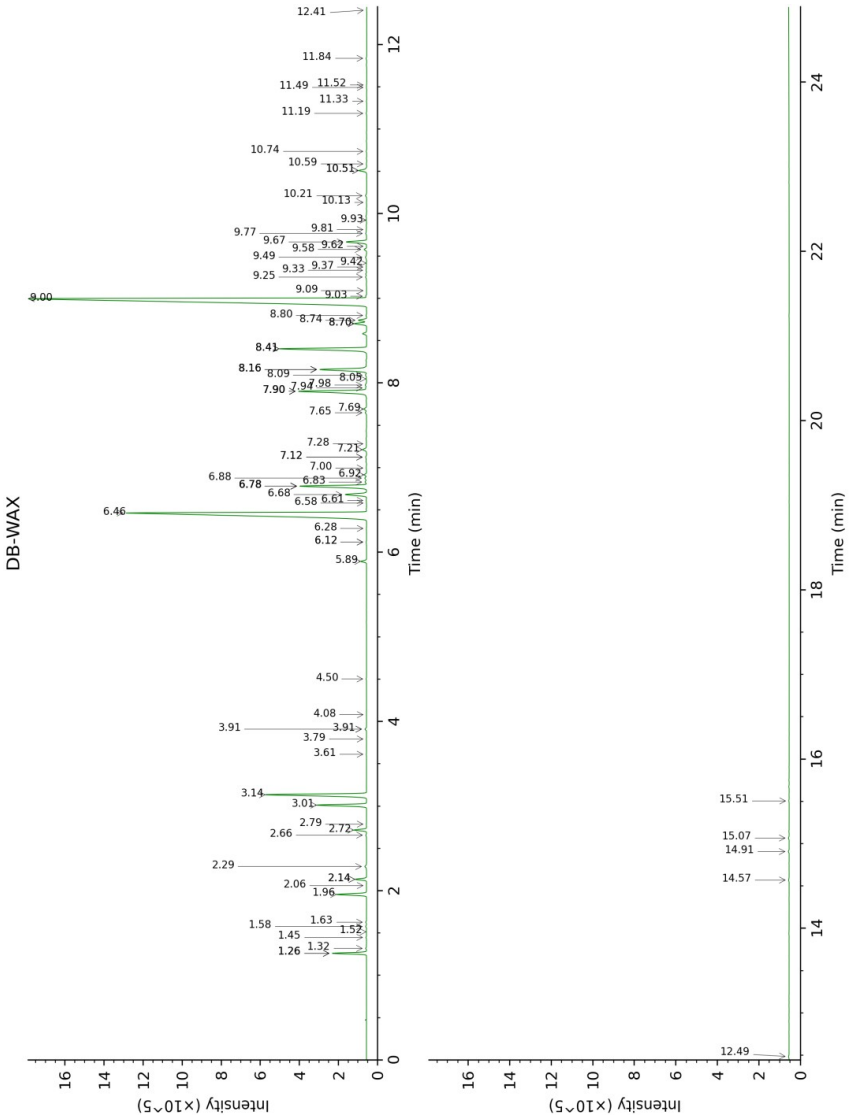
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Peppermint Essential Oil (Supreme)
Botanical Name	Mentha piperita
Report Number	11114
Analysis Date	August 28, 2025

Note: This GC/MS report is a representative analysis of this product. Due to volume turnover, it is not specific to an individual lot; specific lots may vary slightly, as is the case with natural products. The lot-specific quality document for each batch is its Certificate of Analysis.

Chromatogram



Identified Compounds

Peak	RT (min)	Compound name	%
1	1.45	trans-2,5-Diethyltetrahydrofuran	0.02
2	1.26*	Hashishene	[1.51]
3	1.32	α-Thujene	0.03
4	1.26*	α-Pinene	[1.51]
5	6.61	trans-3-Methylcyclohexanol	0.03
6	4.50	3-Methylcyclohexanone	0.03
7	1.58	Camphene	0.04
8	1.52	α-Fenchene	0.01
9	2.14*	Thuja-2,4(10)-diene	[0.55]
10	2.14*	Sabinene	[0.55]
11	1.26*	cis-para-Menthane	[1.51]
12	1.96	β-Pinene	1.52
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	0.61
18	5.89	Octan-3-ol	0.30

19	2.66	Pseudolimonene	0.05
20	2.79	α-Terpinene	0.01
21	2.29	Carvomenthene	0.11
22	3.91*	para-Cymene	[0.09]
23	3.01	Limonene	2.60
24	3.14	1,8-Cineole	6.16
25		ortho-Cymene	
26	3.61	γ-Terpinene	0.02
27	3.91*	para-Mentha-3,8-diene	[0.09]
28	6.28	cis-Linalool oxide (fur.)	0.02
29	7.98	Octanol	0.09
30	6.12*	para-Cymenene	[0.03]
31	4.08	Terpinolene	0.01
32		Unknown MISC CVIII	
33	7.65	Unknown MISC XCIX	0.08
34	7.90*	Linalool	[4.52]
35	6.12*	β-Thujone	[0.03]
36		Unknown MISC CCLXXXVI	
37		Unknown MISC CCLXXXVII	
38	7.00	Camphor	0.04
39	8.05	cis-α-Dihydroterpineol	0.03
40	7.90*	Isopulegol	[4.52]
41	6.46	Menthone	23.91
42	6.78*	Unknown MISC CXLIX	[3.95]
43	6.78*	Isomenthone	[3.95]
44	6.68	Menthofuran	1.29
45	8.41*	neo-Menthol	[5.21]
46	9.00	Menthol	37.80
47	8.41*	Terpinen-4-ol	[5.21]
48	8.74	Isomenthol	0.44
49	11.33	para-Cymen-8-ol	0.02
50	9.58	α-Terpineol	0.15
51	9.25	neoiso-Menthol	0.09
52	10.21	Dihydrocarveol	0.08
53		Unknown MEPI V	
54		Unknown UNKN	
55	10.59	iso-Dihydrocarveol ?	0.02
56	11.19	trans-Carveol	0.03
57	11.49	cis-Carveol	0.02
58	10.51*	Citronellol	[0.47]
58	8.70*	Pulegone	[0.71]
59	9.77	Carvone	0.10
60	9.67	Piperitone	1.17
61	11.52	trans-Myrtanol	0.01
62		Unknown FRAG MCCVI	
63	9.93	Pseudodiosphenol	0.02
64	10.51*	Decanol	[0.47]
65	6.88	Dihydroedulan I	0.13
66	7.90*	Menthyl acetate	[4.52]
67	14.91	Thymol	0.04
68	10.74	Diosphenol	0.03
69	8.09	Isomenthyl acetate	0.07
70		Unknown MISC CCLXXIII	
71		Unknown RHGR LXIX	
72	6.78*	Bicycloelemene	[3.95]
73	11.84	Piperitenone	0.04

74		Menthofurolactone isomer II	
75		Unknown UNKN CCXXII	
76	14.57	Eugenol	0.03
77	6.78*	Cyclosativene II	[3.95]
78	6.83	Longicyclene	0.09
79	6.78*	α-Ylangene	[3.95]
80	6.92	α-Copaene	0.13
81		Unknown UNKN CLXIV	
82	7.21	β-Bourbonene	0.26
83	7.12*	1,5-diepi-β-Bourbonene	[0.07]
84	7.12*	Isolongifolene	[0.07]
85	7.28	Sativene	0.02
86	8.16*	β-Elemene	[3.04]
87		Unknown BONE II	
88	7.69	Longifolene	0.17
89	7.94	Isocaryophyllene	0.05
90	9.49	Decyl acetate	0.11
91		Unknown PIRA I	
92	8.16*	β-Caryophyllene	[3.04]
93	7.90*	β-Ylangene	[4.52]
94		Unknown MISC CXLVIII	
95		Unknown MISC CX	
96	8.16*	β-Copaene	[3.04]
97		Unknown PIRA II	
98	8.41*	Aromadendrene	[5.21]
99	8.16*	trans-α-Bergamotene	[3.04]
100	8.70*	Isogermacrene D	[0.71]
101	8.80	Unknown PIRA III	0.04
102	9.03	ε-Muurolene?	0.05
103	9.09	α-Humulene	0.02
104	9.33	γ-Muurolene	0.05
105	9.37	α-Amorphene	0.04
106		Menthalactone	
107	9.42	Viridiflorene	0.02
108	9.81	α-Muurolene	0.02
109	10.14	δ-Cadinene	0.02
110	12.41	Caryophyllene oxide isomer	0.01
111	12.49	Caryophyllene oxide	0.03
112	15.07	meta-Camphorene	0.04
113	15.51	para-Camphorene *: Two or more compounds are coeluting on this column [xx]: Duplicate percentage due to coelutions, only the first one is taken into account in the consolidated total †: Peaks apexes were resolved, but peaks overlapped and were summed for analysis tr: The compound has been detected below 0.005% of total signal.	0.02
		TOTAL REPORTED	**98.72%**

** : Two or more compounds are coeluting on this column.*

[xx] : Duplicate percentage due to coelutions; only the first one is taken into account in the consolidated total.

† : Peak apexes were resolved, but peaks overlapped and were summed for analysis.

tr : The compound has been detected below 0.005% of total signal.

Faithful copy of the GC/MS analysis report. The original document is kept in the MALIKA Essentials archives.