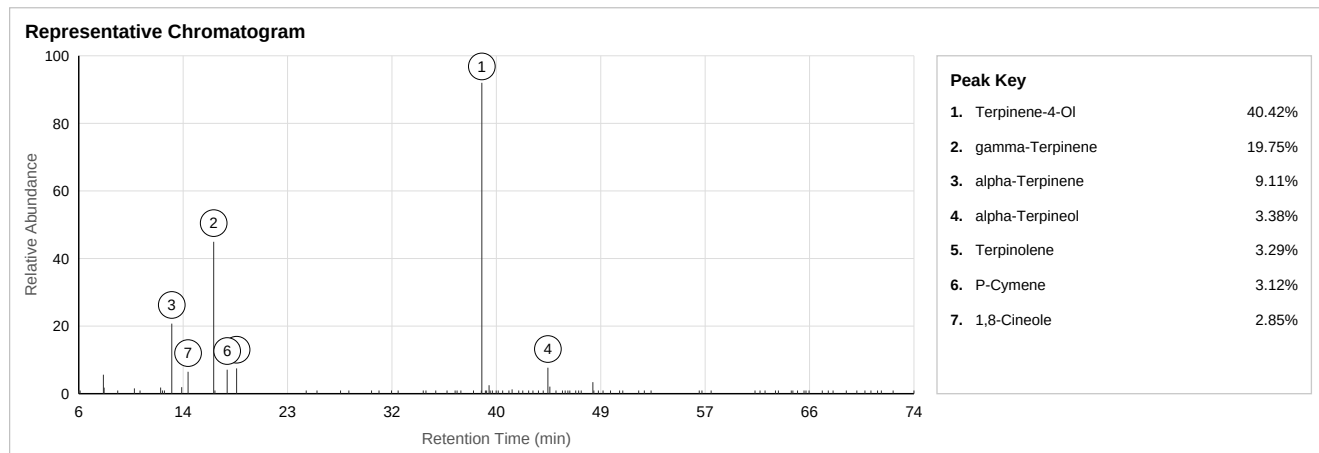


GC-MS Composition Profile

Product Name	Tea Tree
Botanical Name	Melaleuca alternifolia
INCI Name	Melaleuca alternifolia leaf oil
Country of Origin	Australia
CAS Number	85085-48-9
Analysis Date	January 03, 2026
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
1	5.95	Isovaleraldehyde	0.02
2	6.06	Ethanol	0.08
3	7.96	alpha-Pinene	2.47
4	8.02	alpha-Thuyene	0.79
5	9.13	Camphene	0.02
6	10.49	beta-Pinene	0.69
7	10.95	Sabinene	0.14
8	12.63	beta-Myrcene	0.80
9	12.78	alpha-Phellandrene	0.40
10	12.94	Psi-Limonene	0.01
11	13.54	alpha-Terpinene	9.11
12	14.35	Limonene	0.85
13	14.87	1,8-Cineole	2.85
15	16.96	gamma-Terpinene	19.75
16	17.06	Trans-beta-Ocimene	0.02
17	18.06	P-Cymene	3.12
18	18.83	Terpinolene	3.29
19	24.51	3-Hexen-1-Ol	0.02
20	25.39	Menthatriene Isomer	0.01
21	27.31	Menthatriene Isomer	0.02
22	27.99	alpha,P-Dimethylstyrene	0.09
23	29.84	alpha-Cubebene	0.07
25	30.45	Sesquiterpene	0.07
26	31.47	Sesquiterpene	0.06
27	32.01	alpha-Copaene	0.13
28	34.06	Sesquiterpene	0.03
29	34.28	alpha-Gurjunene	0.35
30	35.08	Linalool	0.15
31	36.00	Trans-P-Menth-2-En-1-Ol	0.19
32	36.66	Sesquiterpene	0.02

Peak	RT (min)	Compound	Typical %
33	36.82	Sesquiterpene	0.02
34	37.13	Fenchol	0.03
35	38.16	Sesquiterpene	0.04
36	38.80	beta-Caryophyllene	0.42
37	38.84	Terpinene-4-Ol	40.42
38	39.13	Sesquiterpene	0.09
39	39.23	Sesquiterpene	0.18
40	39.43	Aromadendrene	1.10
41	39.52	Sesquiterpene	0.06
42	39.70	Copacamphene	0.15
43	40.01	Cis-P-Menth-2-En-1-Ol	0.13
44	40.18	Gurjunene Isomer	0.04
45	40.54	Cadina-3,5-Diene	0.10
46	41.05	Sesquiterpene	0.02
47	41.31	Allo-Aromadendrene	0.56
48	41.85	gamma-Gurjunene	0.05
49	42.18	Zonarene	0.28
50	42.66	alpha-Humulene	0.11
51	43.01	Cis-Piperitol	0.07
53	43.46	Lavandulal	0.07
54	43.85	gamma-Murolene	0.04
55	44.23	alpha-Terpineol	3.38
56	44.39	Ledene	0.92
57	44.89	Sesquiterpene	0.02
58	45.42	Germacrene D	0.06
59	45.64	beta-Selinene	0.11
61	45.86	alpha-Selinene	0.03
62	46.02	alpha-Murolene	0.25
63	46.50	Bicyclogermacrene	0.40
64	46.74	Sesquiterpene	0.01
65	46.95	Trans-Piperitol	0.07
66	47.90	Delta-Cadinene	1.50
67	47.98	gamma-Cadinene	0.04
68	48.35	Sesquiterpene Mw=202	0.03
69	48.73	Sesquiterpene Mw=202	0.02
70	49.34	Cadina-1,4-Diene	0.20
71	50.08	Nerol	0.04
72	50.34	Sesquiterpene Mw=202	0.02
73	51.64	Sesquiterpene	0.02
74	52.10	Calamenene	0.17
75	52.65	P-Cymene-8-Ol	0.07
76	56.58	alpha-Calacorene	0.02
77	56.80	Aromatic Compound	0.01
78	57.55	Palustrol	0.04
79	61.13	Sesquiterpenol	0.04
80	61.54	Methyleugenol	0.05
81	61.95	Epi-Globulol	0.07
82	62.80	Ledol	0.05
83	63.04	Compound Mw=222	0.03
84	64.09	Gleenol	0.12
85	64.22	Epi-Cubenol	0.09
86	64.60	Cubenol	0.18
87	65.13	Globulol	0.27
88	65.29	Cis-1,2-Dihydroxy-P-Menth-2-Ene	0.10
89	65.54	Viridiflorol	0.15
90	66.62	10-Epi-gamma-Eudesmol	0.07
91	67.11	Rosifoliol	0.12
92	67.50	Spathulenol	0.08
93	68.58	Trans-1,2-Dihydroxy-P-Menth-2-Ene	0.07
94	69.44	Sorbic Acid	0.08

Peak	RT (min)	Compound	Typical %
95	70.10	T-Cadinol	0.01
96	70.59	alpha-Muurolol	0.02
97	71.13	Delta-Cadinol	0.04
98	71.44	Carvacrol	0.03
99	72.40	alpha-Nootkatol	0.05
100	74.10	Aromatic Compound	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.