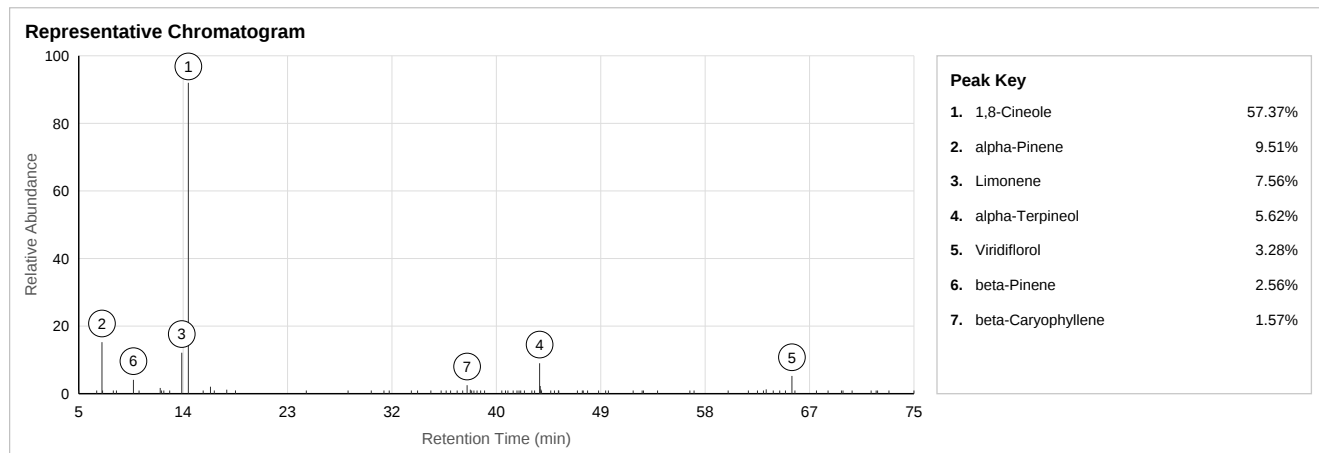


GC-MS Composition Profile

Product Name	Niaouli
Botanical Name	Melaleuca quinquenervia
INCI Name	Melaleuca Quinquenervia Oil
Country of Origin	New Caledonia
CAS Number	8022-72-8/8014-68-4
Analysis Date	January 04, 2026
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
1	5.43	Ethanol	0.02
2	6.93	Methyl 2-Methylbutyrate	0.02
3	7.37	alpha-Pinene	9.51
4	7.42	alpha-Thuyene	0.17
5	8.32	alpha-Fenchene	0.02
6	8.58	Camphene	0.08
7	10.00	beta-Pinene	2.56
8	10.47	Sabinene	0.03
9	12.24	beta-Myrcene	1.06
10	12.35	alpha-Phellandrene	0.09
11	12.54	Psi-Limonene	0.05
12	13.03	alpha-Terpinene	0.36
13	14.04	Limonene	7.56
14	14.59	1,8-Cineole	57.37
15	15.83	Cis-beta-Ocimene	0.01
16	16.44	gamma-Terpinene	1.29
17	16.76	Trans-beta-Ocimene	0.06
18	17.80	P-Cymene	0.74
19	18.53	Terpinolene	0.60
20	24.45	3-Hexen-1-ol	0.01
21	27.94	alpha,P-Dimethylstyrene	0.02
22	29.88	alpha-Cubebene	0.01
23	30.94	Sesquiterpene	0.04
24	31.38	alpha-Copaene	0.05
25	33.23	Benzaldehyde	0.19
26	33.75	alpha-Gurjunene	0.12
27	34.86	Linalool	0.20
28	35.72	Isopulegol	0.04
29	36.14	Neoisopulegol	0.10
30	36.51	Bornyl Acetate	0.01

Peak	RT (min)	Compound	Typical %
31	37.06	Fenchol	0.03
32	37.52	beta-Elemene	0.01
33	37.89	beta-Caryophyllene	1.57
34	38.16	Terpinene-4-ol	0.74
35	38.27	Sesquiterpene	0.08
36	38.46	Aromadendrene	0.04
37	38.72	Sesquiterpene	0.03
38	39.02	Methyl Benzoate	0.02
39	39.35	Sesquiterpene	0.04
40	40.79	Allo-Aromadendrene	0.36
41	41.10	Trans-Pinocarveol	0.04
42	41.30	Delta-Terpenyl Acetate	0.03
43	41.74	Sesquiterpene	0.01
44	42.06	Zonarene	0.02
45	42.23	alpha-Humulene	0.25
46	42.37	Delta-Terpineol	0.13
47	42.68	gamma-Selinene	0.03
48	43.30	Lavandulal	0.05
49	43.53	gamma-Murolene	0.13
50	43.95	alpha-Terpineol	5.62
51	44.00	Terpenyl Acetate	1.42
52	44.05	Ledene	0.80
53	44.11	Borneol	0.03
54	44.88	Eremophilene	0.01
55	45.19	beta-Selinene	0.18
56	45.52	alpha-Selinene	0.15
57	45.55	alpha-Murolene	0.06
58	47.11	Sesquiterpene	0.02
59	47.52	Delta-Cadinene	0.18
60	47.60	gamma-Cadinene	0.15
61	47.96	Citronellol	0.06
62	48.88	Cadina-1,4-Diene	0.02
63	49.47	alpha-Amorphene	0.03
64	49.70	Sesquiterpene Mw=202	0.02
65	51.77	Calamenene	0.02
66	52.52	Geraniol	0.04
67	52.63	P-Cymene-8-ol	0.02
68	53.81	Cis-P-Mentha-1(7),8-Dien-2-ol	0.04
69	56.51	Methyl Thiobenzoate	0.03
70	56.86	Palustrol	0.09
71	59.71	Caryophyllene Oxide	0.15
72	61.40	Epi-Globulol	0.01
73	62.16	Ledol	0.40
74	62.66	Epoxy-6,7-Humulene	0.02
75	62.89	Nerolidol	0.80
76	63.48	Gleenol	0.08
77	64.02	Cubenol	0.01
78	64.50	Globulol	0.04
79	65.04	Viridiflorol	3.28
80	65.29	Guaio	0.05
81	67.09	Rosifoliol	0.06
82	68.06	Aromatic Compound	0.01
83	69.18	Eugenol	0.04
84	69.31	T-Cadinol	0.04
85	70.07	alpha-Murolol	0.01
86	71.66	alpha-Eudesmol	0.02
87	72.08	beta-Eudesmol	0.03
88	72.20	alpha-Cadinol	0.01
89	73.15	Eudesma-7(11)-En-4-ol	0.01
90	75.24	Caryophylla-2,6-Dien-5-alpha-ol	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.