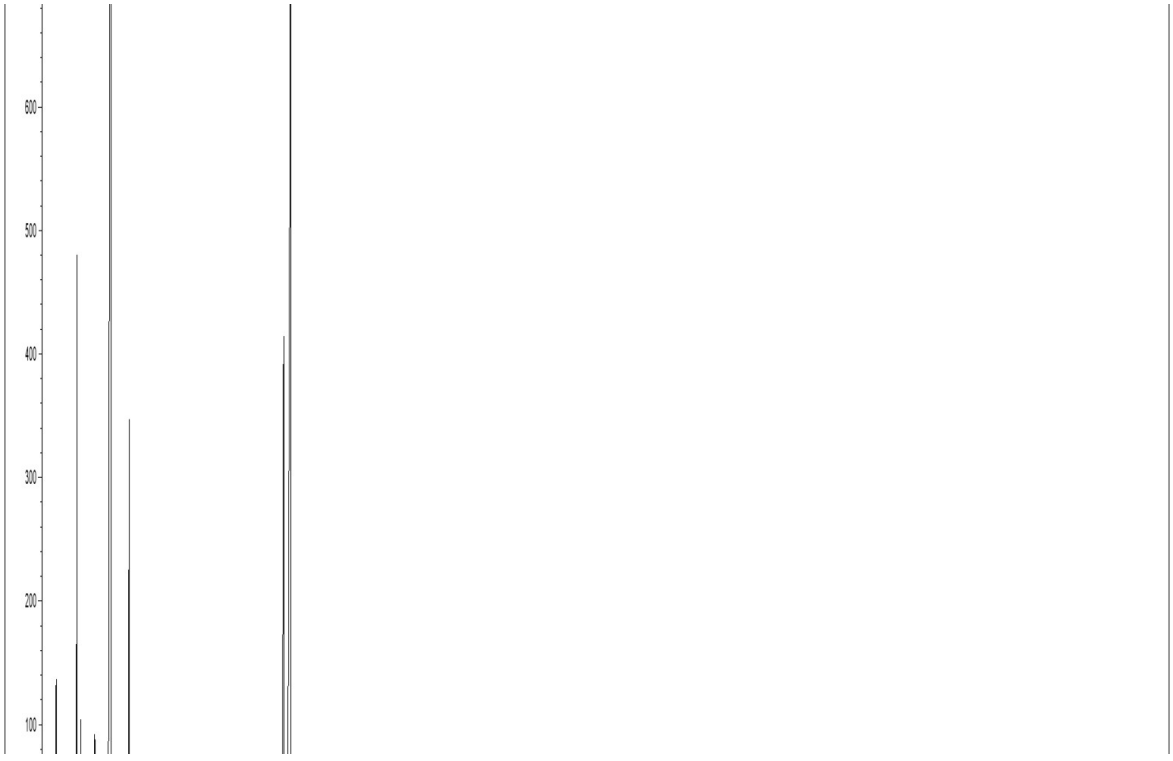
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Bergamot Essential Oil
Botanical Name	Citrus aurantium bergamia
Analysis Date	October 6, 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	7.03	alpha-PINENE	1.16
2	7.10	alpha-THUYENE	0.30
3	8.17	CAMPHENE	0.03
4	9.54	beta-PINENE	5.92

5	9.97	SABINENE	1.03
6	11.67	beta-MYRCENE	1.08
7	11.77	alpha-PHELLANDRENE	0.03
8	12.43	alpha-TERPINENE	0.13
9	13.62	LIMONENE	42.92
10	13.86	beta-PHELLANDRENE	0.22
11		1,8-CINEOLE	
12	15.18	cis-beta-OCIMENE	0.03
13	15.83	gamma-TERPINENE	6.05
14	16.09	trans-beta-OCIMENE	0.18
15	17.03	p-CYMENE	0.25
16	17.78	TERPINOLENE	0.27
17	18.20	OCTANAL	0.03
18	24.62	NONANAL	0.01
19	27.49	LINALOOL cis-OXIDE	0.01
20	27.65	LIMONENE cis-1,2-EPOXIDE	0.01
21	29.02	trans-THUYANOL	0.03
22	29.30	LINALOOL trans-OXIDE	0.02
23	29.51	delta-ELEMENE	0.01
24	29.89	OCTYL ACETATE	0.07
25	31.33	DECANAL	0.01
26	31.83	CAMPHOR	0.01
27	33.03	E-SOLANONE	0.05
28	34.43	LINALOOL	9.38
29	35.24	LINALYL ACETATE	27.63
30	35.85	LINALOOL cis-OXIDE ACETATE	0.04
31		alpha-cis-BERGAMOTENE	
32	36.28	BORNYL ACETATE	0.02
33	36.37	TERPENIC ESTER	0.02
34	36.77	alpha-trans-BERGAMOTENE	0.17
35	37.32	beta-CARYOPHYLLENE	0.24
36	37.54	TERPINENE-4-OL	0.02
37	37.77	LINALOOL trans-OXIDE ACETATE	0.02
38	38.33	LINALYL PROPIONATE	0.03
39	41.59	alpha-HUMULENE	0.02
40	41.75	E-beta-FARNESENE	0.04
41	42.35	NERAL	0.18
42	42.63	Z-beta-FARNESENE	0.03
43	43.21	TERPENYL ACETATE	0.09
44	43.25	alpha-TERPINEOL	0.09
45	44.00	GERMACRENE D	0.03
46	45.12	NERYL ACETATE	0.57
47	45.23	beta-BISABOLENE	0.26
48	45.36	GERANIAL	0.32
49	46.90	GERANYL ACETATE	0.60
50	49.20	NEROL	0.05
51	51.85	GERANIOL	0.02
52	62.40	NEROLIDOL	0.02
53	73.90	alpha-BISABOLOL	0.01
54	84.37	NOOTKATONE	0.02
55	100.23	PALMITIC ACID	0.03
56	110.03	AROMATIC COMPOUND	0.02
57	118.77	LIMETTIN	0.09
58	132.37	BERGAPTEN	0.09
		TOTAL	**99.96**

In the source report, peaks 11 (1,8-CINEOLE) and 31 (alpha-cis-BERGAMOTENE) are listed without RT or %; each co-elutes with an adjacent peak.

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