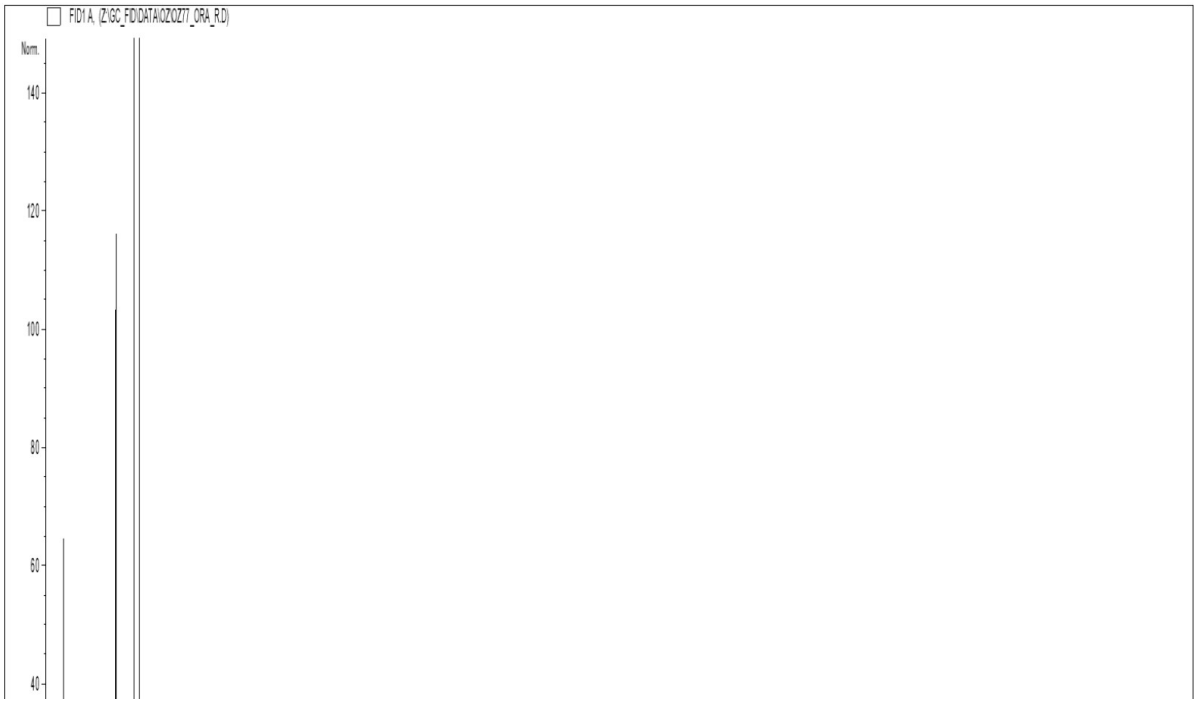
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Sweet Orange Essential Oil
Botanical Name	Citrus sinensis
Analysis Date	October 7, 2026

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	7.76	alpha-PINENE	0.61
2	7.80	alpha-THUYENE	0.01
3	10.46	beta-PINENE	0.02
4	10.96	SABINENE	0.29

5	12.14	delta3-CARENE	0.16
6	12.76	beta-MYRCENE	2.11
7	12.89	alpha-PHELLANDRENE	0.04
8	15.01	LIMONENE	95.01
9		beta-PHELLANDRENE	
10	15.18	1,8-CINEOLE	0.30
11	17.32	trans-beta-OCIMENE	0.02
12	19.09	TERPINOLENE	0.02
13	19.41	OCTANAL	0.33
14	25.86	NONANAL	0.02
15	31.27	CITRONELLAL	0.03
16	32.26	alpha-COPAENE	0.02
17	32.60	DECANAL	0.33
18	35.16	beta1-CUBEBENE	0.01
19	35.53	LINALOOL	0.33
20	36.11	1-OCTANOL	0.02
21	38.43	beta-CUBEBENE	0.01
22	38.72	beta-CARYOPHYLLENE	0.01
23	43.69	NERAL	0.03
24	44.59	alpha-TERPINEOL	0.03
25	45.50	GERMACRENE D	0.01
26	45.70	DODECANAL	0.02
27	46.06	VALENCENE	0.01
28	46.71	GERANIAL	0.06
29	48.39	delta-CADINENE	0.02
30	49.59	PERILLALDEHYDE	0.01
31	73.20	beta-SINENSAL	0.02
32	77.96	alpha-SINENSAL	0.01
33	89.38	MYRISTIC ACID	0.02
34	95.99	PALMITIC ACID	0.02
35	102.52	AROMATIC COMPOUND	0.02
36	110.57	LINOLEIC ACID	0.02
		TOTAL	**100.00**

In the source report, peak 9 (beta-PHELLANDRENE) is listed without RT or %; it co-elutes with an adjacent peak.

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