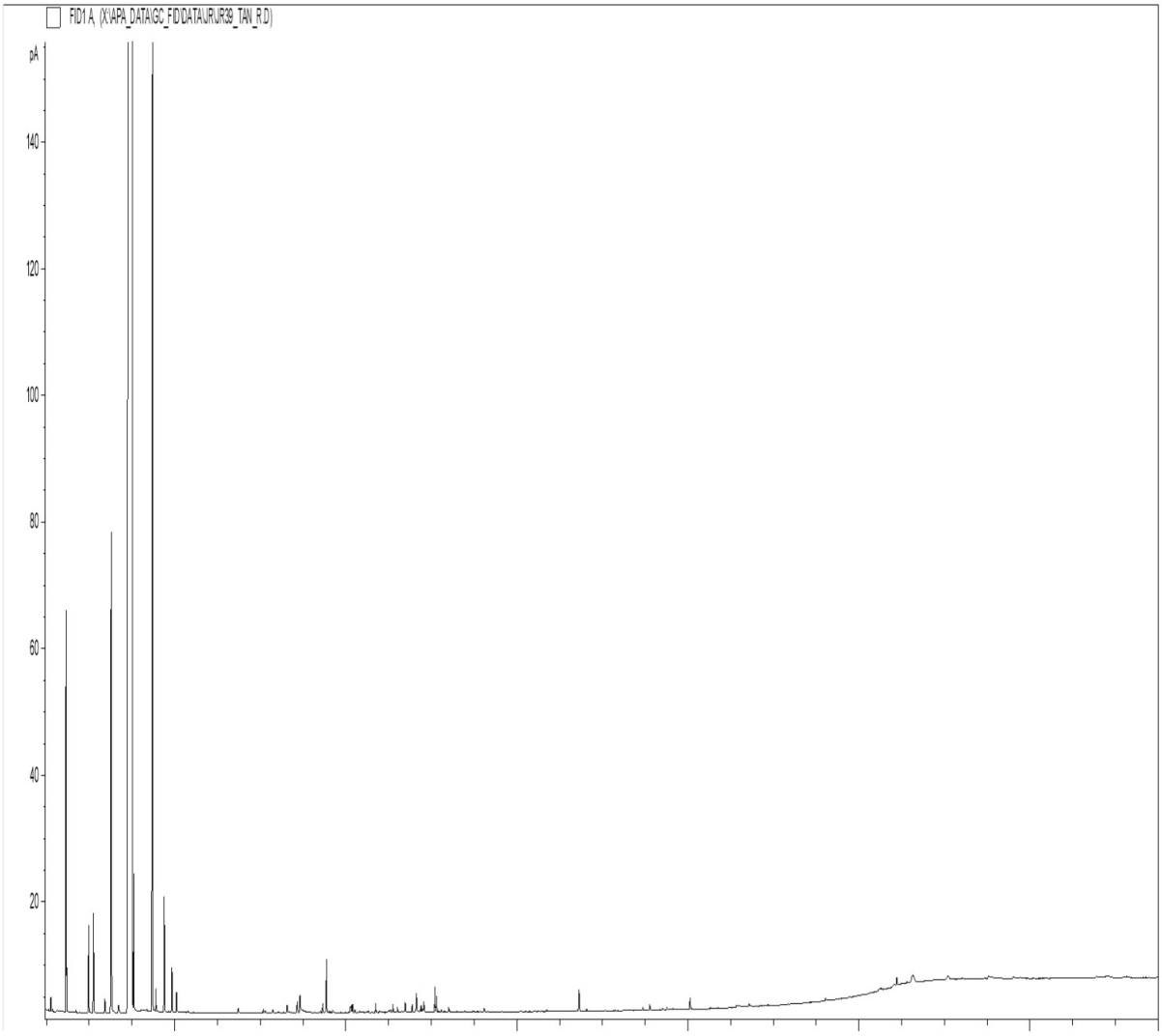
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Tangerine Essential Oil
Botanical Name	Citrus tangerina
Analysis Date	January 3, 2023

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	5.51	ETHANOL	0.03
2	7.28	alpha-PINENE	0.74
3	7.35	alpha-THUYENE	0.09
4	9.94	beta-PINENE	0.23
5	10.50	SABINENE	0.27
6	11.84	delta3-CARENE	0.05
7	12.58	beta-MYRCENE	1.71
8		alpha-PHELLANDRENE	
9	13.45	alpha-TERPINENE	0.04
10	15.05	LIMONENE	91.87
11	15.22	beta-PHELLANDRENE	0.26
12	17.42	gamma-TERPINENE	3.18
13	17.81	trans-beta-OCIMENE	0.06
14	18.79	p-CYMENE	0.30
15	19.67	TERPINOLENE	0.12
16	20.22	OCTANAL	0.06
17	27.45	NONANAL	0.02
18	33.15	CITRONELLAL	0.02
19	34.33	alpha-COPAENE	0.03
20	34.66	DECANAL	0.07

21	37.33	beta1-CUBEBENE	0.03
22	37.76	LINALOOL	0.15
23	40.56	CALARENE ISOMER	0.02
24	40.65	SESQUITERPENE	0.02
25	40.81	beta-CARYOPHYLLENE	0.03
26	43.50	DECANE, 1,1-DIETHOXY-	0.02
27	45.27	CITRONELLYL ACETATE	0.01
28	45.53	E-beta-FARNESENE	0.02
29	46.06	NERAL	0.02
30	46.97	alpha-TERPINEOL	0.03
31	47.78	GERMACRENE D	0.02
32	48.27	VALENCENE	0.07
33	48.82	ALIPHATIC COMPOUND	0.02
34	49.00	NERYL ACETATE	0.01
35	49.14	GERANIAL	0.04
36	50.44	E,E-alpha-FARNESENE	0.07
37		GERANYL ACETATE	
38	50.62	delta-CADINENE	0.05
39	52.05	PERILLALDEHYDE	0.02
40	56.19	PERILLYL ACETATE	0.01
41	67.28	METHYL, N-METHYL-ANTHRANILATE	0.08
42	74.74	GERANYLGERANIADIENE	0.01
43	75.55	beta-SINENSAL	0.02
44	80.27	alpha-SINENSAL	0.04
45	104.43	PALMITIC ACID	0.03
46	115.18	LINOLEIC ACID	0.02
		TOTAL	**99.99**

Note: Peaks 8 (alpha-PHELLANDRENE) and 37 (GERANYL ACETATE) are listed in the source report without retention time or percentage and are carried here as printed.

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