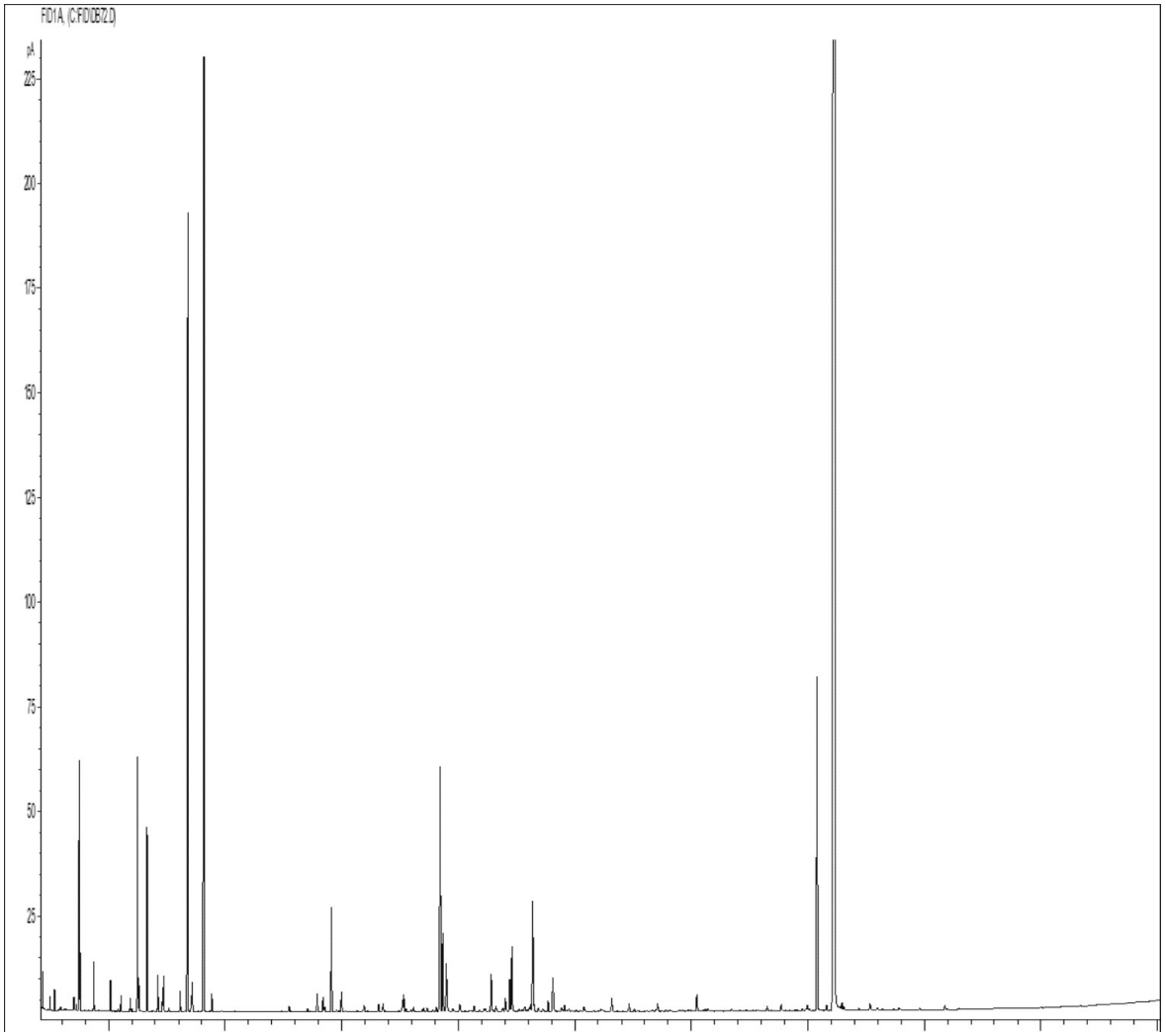
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Oregano Essential Oil
Botanical Name	Origanum vulgare
Analysis Date	November 6, 2020

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	4.36	ACETONE	0.10
2	4.98	ETHYL ACETATE	0.04
3	5.32	BUTANAL, 2-METHYL-	0.05
4	5.37	ISOVALERALDEHYDE	0.06
5	5.89	FURAN, 2-ETHYL-	0.01
6	7.02	METHYL 2-METHYLBUTYRATE	0.05
7	7.08	TRICYCLENE	0.01
8	7.24	METHYL ISOVALERATE	0.02
9	7.43	alpha-PINENE	0.64
10	7.51	alpha-THUYENE	0.90
11	8.72	CAMPHENE	0.21
12	10.16	beta-PINENE	0.14
13	10.82	PINADIENE	0.01
14	11.05	THUYA-2,4-DIENE	0.08
15	11.85	delta3-CARENE	0.07
16	12.47	beta-MYRCENE	1.28
17	12.59	alpha-PHELLANDRENE	0.16
18	13.29	alpha-TERPINENE	0.96
19	14.22	LIMONENE	0.20
20	14.62	1,8-CINEOLE	0.07

21	14.71	beta-PHELLANDRENE	0.20
22	15.19	2-HEXENAL	0.02
23	16.14	cis-beta-OCIMENE	0.12
24	16.80	gamma-TERPINENE	5.32
25	17.08	trans-beta-OCIMENE	0.09
26	17.17	3-OCTANONE	0.17
27	18.19	p-CYMENE	6.44
28	18.87	TERPINOLENE	0.11
29	25.49	3-OCTANOL	0.04
30	27.08	COMPOUND Mw=152	0.02
31	27.91	COMPOUND Mw=152	0.13
32	28.41	alpha-p-DIMETHYLSTYRENE	0.11
33	28.56	MENTHATRIENIC COMPOUND	0.04
34	29.13	1-OCTEN-3-OL	0.68
35	29.56	alpha-CUBEBENE	0.01
36	29.99	trans-THUYANOL	0.14
37	31.36	YLANGENE	0.01
38	31.88	DIHYDROEDULAN ISOMER	0.01
39	31.93	alpha-COPAENE	0.05
40	33.18	COMPOUND Mw=152	0.06
41	33.53	CAMPHOLENIC ALCOHOL	0.01
42	33.57	beta-BOURBONENE	0.06
43	35.23	cis-THUYANOL	0.08
44	35.34	LINALOOL	0.11
45	35.53	1-NONEN-3-OL	0.02
46	35.94	LINALYL ACETATE	0.02
47	36.18	trans-p-MENTH-2-EN-1-OL	0.04
48	36.88	BORNYL FORMATE	0.01
49	37.04	epsilon-CADINENE	0.03
50	37.36	BORNYL ACETATE	0.03
51	37.84	alpha-trans-BERGAMOTENE	0.02
52	38.13	beta-CUBEBENE	0.04
53	38.47	beta-CARYOPHYLLENE	1.94
54	38.69	METHYL CARVACROL ETHER	0.56
55	38.98	TERPINENE-4-OL	0.43
56	39.00	cis-DIHYDROCARVONE	0.03
57	39.57	AROMADENDRENE	0.02
58	40.14	TERPENIC ESTER	0.05
59	40.18	trans-DIHYDROCARVONE	0.02
60	41.38	ALLO-AROMADENDRENE	0.05
61	41.84	trans-PINOCARVEOL	0.02
62	42.24	FURANIC COMPOUND	0.02
63	42.34	ZONARENE	0.02
64	42.83	alpha-HUMULENE	0.30
65	42.97	cis-4,5-MUUROLADIENE	0.01
66	43.25	CARVOTANACETONE	0.04
67	43.85	LAVANDULAL	0.03
68	44.05	gamma-MUUROLENE	0.10
69	44.43	alpha-TERPINEOL	0.24
70	44.63	BORNEOL	0.48
71	45.23	SESQUITERPENE	0.01
72	45.46	SESQUITERPENE	0.01
73	45.69	PHELLANDRAL	0.02
74	45.72	PIPERITONE	0.03
75	46.15	CARVONE	0.02
76	46.20	alpha-MUUROLENE	0.05
77	46.40	beta-BISABOLENE	0.86

78	46.52	COMPOUND Mw=152	0.04
79	46.90	trans-PIPERITOL	0.03
80	47.27	trans-ISOPIPERITENOL	0.02
81	47.72	E,E-alpha-FARNESENE	0.08
82	48.13	delta-CADINENE	0.27
83	48.18	gamma-CADINENE	0.09
84	48.87	beta-SESQUIPHELLANDRENE	0.03
85	48.98	CUMINAL	0.01
86	49.14	trans-alpha-BISABOLENE	0.05
87	49.32	CADINA-1,4-DIENE	0.01
88	49.53	MYRTENOL	0.02
89	50.12	alpha-AMORPHENE	0.02
90	50.52	PIPERITONE, 2-HYDROXY-	0.02
91	50.80	trans-SABINOL	0.03
92	52.27	cis-CALAMENENE	0.02
93	52.40	trans-CALAMENENE	0.02
94	53.20	p-CYMENE-8-OL	0.11
95	54.67	CARVACRYL ACETATE	0.06
96	55.11	MYRCENOL	0.02
97	57.11	PHENOLIC COMPOUND Mw=164	0.07
98	58.15	ALIPHATIC ALCOHOL	0.01
99	59.04	ALIPHATIC ALCOHOL	0.01
100	59.78	PIPERITENONE OXIDE	0.02
101	59.99	ISOCARYOPHYLLENE EPOXIDE	0.01
102	60.49	CARYOPHYLLENE EPOXIDE	0.14
103	61.07	SESQUITERPENIC EPOXIDE	0.01
104	61.22	SESQUITERPENIC EPOXIDE	0.02
105	61.43	KETONIC COMPOUND	0.03
106	63.46	EPOXY-6,7-HUMULENE	0.02
107	66.53	CUMINOL	0.04
108	67.73	SPATHULENOL	0.05
109	69.55	EUGENOL	0.02
110	69.96	ISOTHYMOL	0.05
111	70.11	T-CADINOL	0.02
112	70.79	THYMOL	2.55
113	71.62	ISOCARVACROL	0.05
114	72.29	CARVACROL	70.99
115	72.78	SESQUITERPENOL	0.02
116	72.94	PHENOLIC COMPOUND Mw=150	0.05
117	73.09	beta-EUDESMOL	0.03
118	74.39	PHENOLIC COMPOUND Mw=150	0.01
119	75.34	PHENOLIC COMPOUND Mw=150	0.06
120	75.98	PHENOLIC COMPOUND Mw=150	0.02
121	77.79	SESQUITERPENIC EPOXIDE	0.02
122	79.61	SESQUITERPENIC EPOXIDE	0.01
123	81.76	PHENOLIC COMPOUND Mw=148	0.04
		TOTAL	**99.96**

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