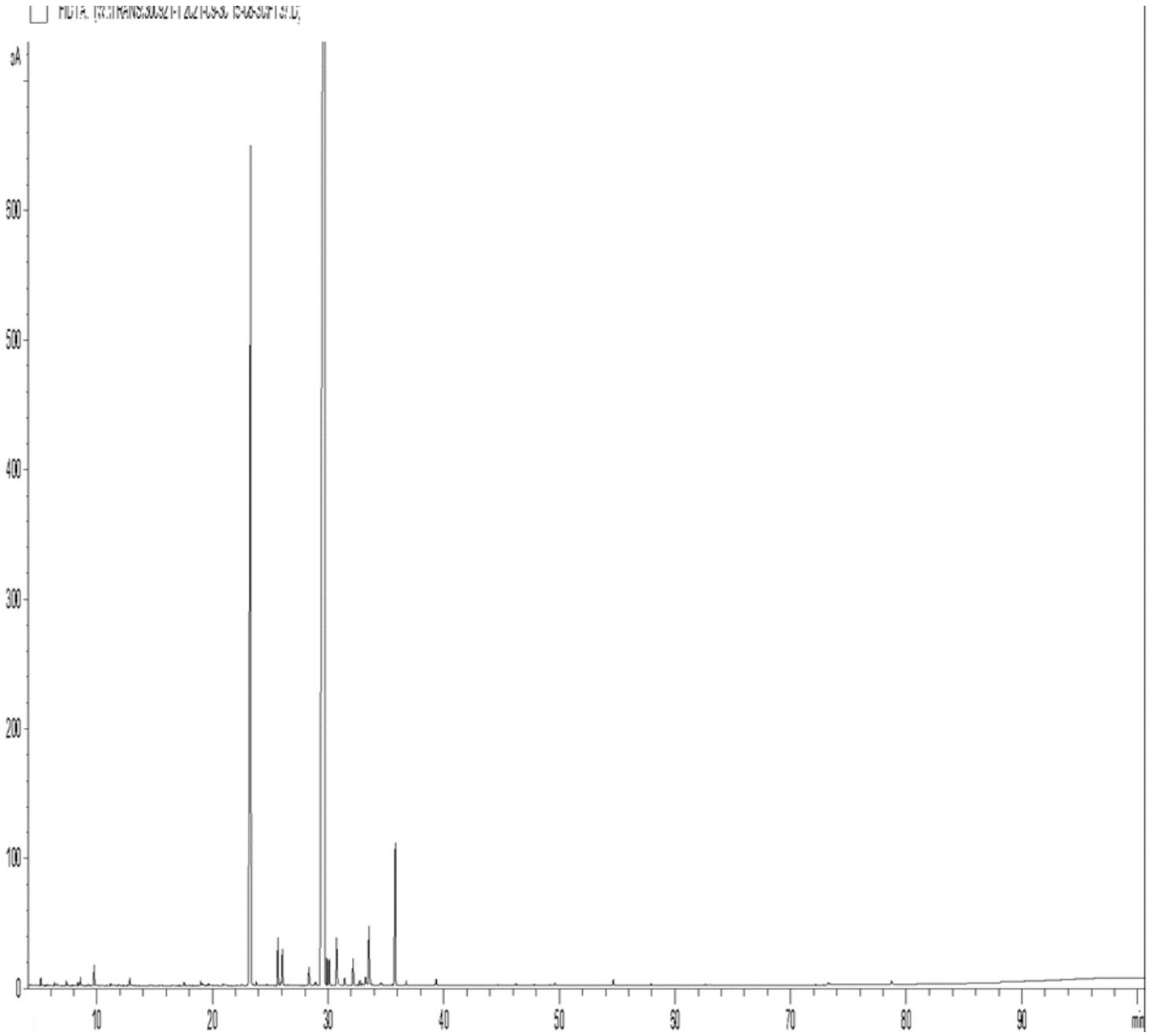
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Basil Essential Oil
Botanical Name	Ocimum basilicum
Analysis Date	October 1, 2021

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	4.28	ISOVALERALDEHYDE	0.01
2	5.17	alpha-PINENE	0.04
3	5.71	CAMPHENE	0.01
4	6.35	beta-PINENE	0.03
5	6.56	SABINENE	0.01
6	7.36	beta-MYRCENE	0.03
7	8.37	LIMONENE	0.04
8	8.59	1,8-CINEOLE	0.08
9	9.25	cis-beta-OCIMENE	0.01
10	9.78	trans-beta-OCIMENE	0.19
11	11.20	OCTANAL	0.03
12	11.89	3-HEXEN-1-OL, ACETATE	0.02
13	12.86	5-HEPTEN-2-ONE, 6-METHYL-	0.10
14	14.56	3-HEXEN-1-OL	0.02
15	15.44	FENCHONE	0.01
16	17.55	LINALOOL cis-OXIDE	0.04
17	17.94	1-OCTEN-3-OL	0.01
18	18.99	MENTHONE	0.05
19	19.11	LINALOOL trans-OXIDE	0.03
20	19.65	OCTYL ACETATE	0.03

21	19.82	ISOGERANIAL	0.01
22	20.33	ISOMENTHONE	0.01
23	20.90	alpha-COPAENE	0.03
24	21.00	ISONERAL	0.02
25	21.04	CAMPHOR	0.01
26	22.14	beta-BOURBONENE	0.01
27	22.50	alpha-GURJUNENE	0.02
28	23.05	BERGAMOTENE ISOMER	0.02
29	23.32	LINALOOL	19.02
30	23.75	1-OCTANOL	0.06
31	24.21	MENTHYL ACETATE	0.02
32	24.46	ISOPULEGOL	0.01
33	24.68	alpha-cis-BERGAMOTENE	0.02
34	24.94	epsilon-CADINENE	0.01
35	25.65	alpha-trans-BERGAMOTENE	0.62
36	25.90	beta-ELEMENE	0.05
37	26.00	beta-CARYOPHYLLENE	0.55
38	26.04	TERPINENE-4-OL	0.02
39	26.51	HOTRIENOL	0.02
40	28.33	MENTHOL	0.30
41	28.51	ALLO-AROMADENDRENE	0.01
42	28.89	FARNESENE ISOMER	0.08
43	29.71	ESTRAGOL	71.97
44	29.89	alpha-HUMULENE	0.23
45	30.09	E-beta-FARNESENE	0.34
46	30.71	NERAL	0.79
47	30.85	Z-beta-FARNESENE	0.04
48	31.17	gamma-MUUROLENE	0.01
49	31.41	alpha-TERPINEOL	0.14
50	32.15	GERMACRENE D	0.44
51	32.56	PIPERITONE	0.02
52	32.70	beta-SELINENE	0.03
53	32.73	alpha-ZINGIBERENE	0.04
54	32.93	HEXENYLIC ESTER	0.05
55	33.11	alpha-SELINENE	0.02
56	33.24	beta-BISABOLENE	0.12
57	33.34	CARVONE	0.05
58	33.52	GERANIAL	1.05
59	33.87	LINALOOL PYRANOID cis-OXIDE	0.01
60	34.12	beta-CURCUMENE	0.01
61	34.52	delta-CADINENE	0.03
62	34.58	GERANYL ACETATE	0.03
63	34.62	LINALOOL PYRANOID trans-OXIDE	0.02
64	35.12	CITRONELLOL	0.01
65	35.49	beta-SESQUIPHELLANDRENE	0.01
66	35.56	alpha-CURCUMENE	0.01
67	35.81	trans-alpha-BISABOLENE	2.12
68	36.75	NEROL	0.06
69	38.72	trans-ANETHOL	0.01
70	39.32	GERANIOL	0.09
71	39.98	ACETONE E-GERANYL	0.01
72	44.71	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0.02
73	45.28	CARYOPHYLLENE EPOXIDE	0.03
74	47.85	METHYLEUGENOL	0.03
75	48.90	ANISALDEHYDE	0.02

76	49.16	epoxy-6,7-HUMULENE	0.01
77	49.64	NEROLIDOL	0.04
78	50.11	CAPRYLIC ACID	0.01
79	53.54	SPATHULENOL	0.02
80	54.67	EUGENOL	0.09
81	56.45	alpha-MUUROLOL	0.01
82	57.93	alpha-BISABOLOL	0.02
83	58.32	beta-EUDESMOL	0.01
84	58.43	alpha-CADINOL	0.01
85	62.62	CHAVICOL	0.02
86	63.00	GERANIC ACID	0.01
87	73.25	CINNAMALDEHYDE, 3-METHOXY-	0.07
88	78.72	4-METHOXYPHENYL, 2-PROPANONE- Mw=164	0.06
		TOTAL	**99.95**

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