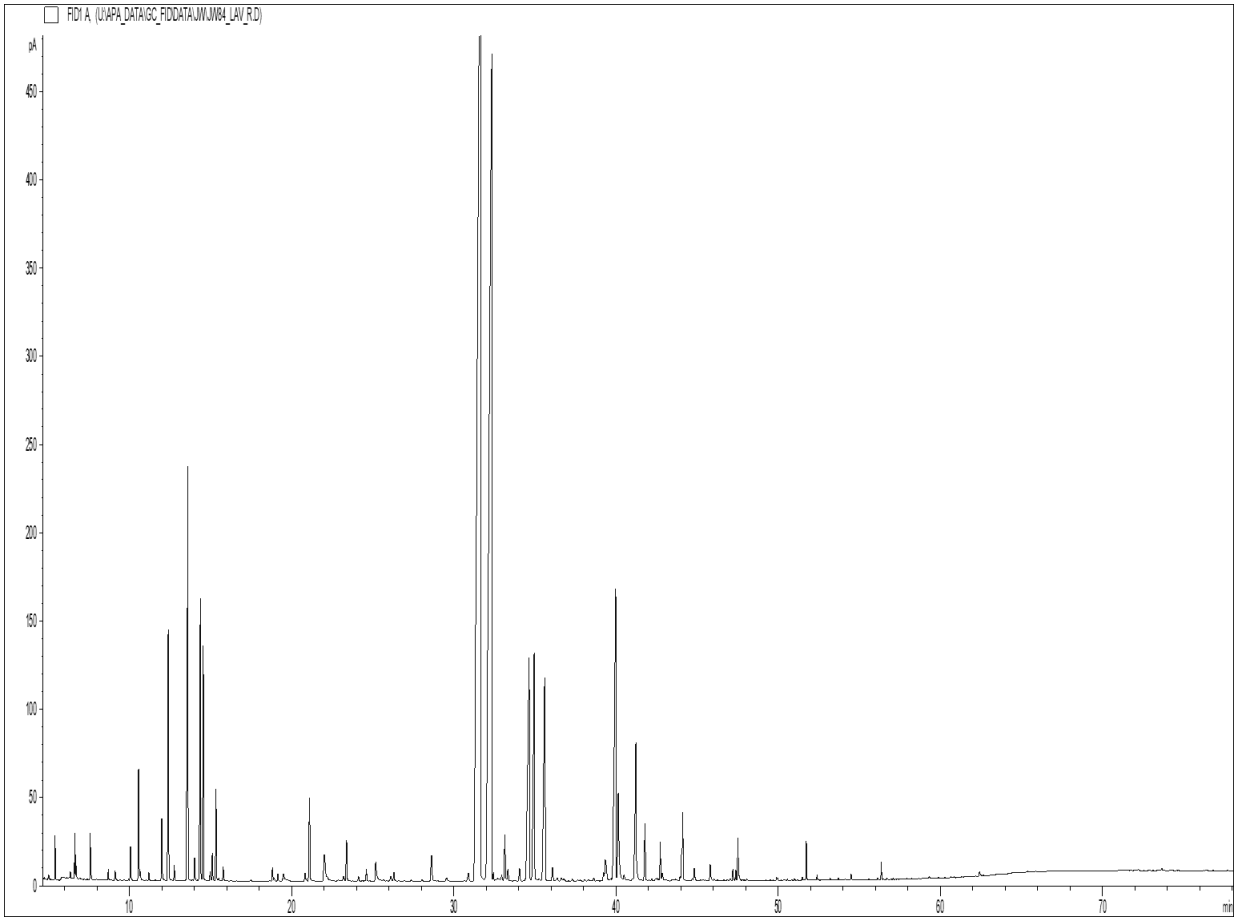
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Lavender Essential Oil (Bulgaria)
Botanical Name	Lavandula angustifolia
Country of Origin	Bulgaria
Report Number	11168
Analysis Date	January 2, 2024

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	5.01	ISOVALERALDEHYDE	0.03
2	5.41	HEXANE, 1-METHOXY-	0.20
3	6.34	TRICYCLENE	0.03
4	6.62	alpha-PINENE	0.25
5	6.69	alpha-THUYENE	0.13
6	6.73	3-BUTEN-2-OL, 2-METHYL-	0.02
7	6.92	TOLUENE	0.02
8	7.58	CAMPHENE	0.28
9	7.60	BUTYL ACETATE	0.02
10	8.69	beta-PINENE	0.07
11	9.10	SABINENE	0.06
12	9.17	PINADIENE	0.01
13	10.05	delta3-CARENE	0.25
14	10.56	beta-MYRCENE	0.75
15	10.64	alpha-PHELLANDRENE	0.06
16	10.67	psi-LIMONENE	0.03
17	11.18	alpha-TERPINENE	0.06
18	11.57	1,8-CINEOLE, 2,3-DEHYDRO-	0.01
19	11.98	LIMONENE	0.53
20	12.38	1,8-CINEOLE	1.51
21	12.40	beta-PHELLANDRENE	0.53
22	12.76	BUTYL BUTYRATE	0.12
23	13.59	cis-beta-OCIMENE	3.82
24	13.86	trans-ARBUSCULON	0.01
25	14.01	gamma-TERPINENE	0.20
26	14.36	trans-beta-OCIMENE	2.55
27	14.54	3-OCTANONE	1.88
28	14.97	m-CYMENE	0.07
29	15.10	p-CYMENE	0.23
30	15.33	HEXYL ACETATE	0.70
31	15.49	ISOTERPINOLENE	0.02
32	15.76	TERPINOLENE	0.12
33	18.81	3-OCTANOL ACETATE	0.13
34	18.91	HEXYL PROPIONATE	0.03
35	19.16	HEXYL METHYLPROPIONATE	0.07
36	19.50	1-HEXANOL	0.14
37	20.83	ALLO-OCIMENE	0.10
38	21.11	1-OCTEN-3-YL ACETATE	0.73
39	21.15	3-HEXEN-1-OL	0.04
40	22.01	3-OCTANOL	0.45
41	22.15	trans-cis-1,3,5-UNDECATRIENE	0.11
42	22.89	UNDECATRIENE ISOMER	0.01
43	23.22	BUTYL CAPROATE	0.07
44	23.39	HEXYL BUTYRATE	0.43
45	24.13	HEXYL 2-METHYLBUTYRATE	0.05
46	24.61	LINALOOL cis-OXIDE	0.12
47	25.19	1-OCTEN-3-OL	0.28
48	25.37	CAMPHENILONE	0.04
49	25.66	1,3,5,8-UNDECATETRAENE	0.02
50	26.11	trans-THUYANOL	0.07
51	26.30	LINALOOL trans-OXIDE	0.10
52	26.94	OCTYL ACETATE	0.01
53	28.03	alpha-COPAENE	0.02

54	28.62	CAMPHOR	0.31
55	29.56	beta-BOURBONENE	0.05
56	30.89	BERGAMOTENE ISOMER	0.12
57	31.00	cis-THUYANOL	0.04
58	31.65	LINALOOL	34.23
59	32.34	LINALYL ACETATE	23.06
60	32.45	BERGAMOTENE ISOMER	0.07
61	32.72	BORNYL FORMATE	0.09
62	32.96	alpha-cis-BERGAMOTENE	0.08
63	33.15	alpha-SANTALENE	0.50
64	33.34	BORNYL ACETATE	0.13
65	34.06	alpha-trans-BERGAMOTENE	0.15
66	34.65	beta-CARYOPHYLLENE	4.01
67	34.95	TERPINENE-4-OL	3.08
68	35.26	TERPINEN-4-YL ACETATE	0.03
69	35.61	LAVANDULYL ACETATE	3.16
70	36.09	HEXYL CAPROATE	0.15
71	36.38	AROMADENDRENE	0.04
72	36.64	HEXYL TIGLATE	0.04
73	36.79	cis-p-MENTH-2-EN-1-OL	0.03
74	37.31	Epi-beta-SANTALENE	0.02
75	37.64	CADINA-3,5-DIENE	0.02
76	37.78	GERMACRENE A	0.01
77	38.08	FARNESENE ISOMER	0.02
78	38.31	trans-PINOCARVEOL	0.02
79	38.63	FARNESENE ISOMER	0.04
80	39.23	FARNESENE ISOMER	0.09
81	39.34	CRYPTONE	0.23
82	39.38	alpha-HUMULENE	0.18
83	39.69	cis-4,5-MUUROLADIENE	0.03
84	39.99	E-beta-FARNESENE	4.89
85	40.14	LAVANDULOL	1.35
86	40.50	Z-beta-FARNESENE	0.09
87	41.01	gamma-MUUROLENE	0.03
88	41.23	alpha-TERPINEOL	1.07
89	41.26	BORNEOL	0.86
90	41.60	TERPENIC ESTER	0.01
91	41.79	GERMACRENE D	0.60
92	42.20	PHELLANDRAL	0.02
93	42.44	p-MENTHA-1(7),2-DIEN-8-OL	0.03
94	42.52	PIPERITONE	0.03
95	42.62	CARVONE	0.02
96	42.74	NERYL ACETATE	0.32
97	42.85	beta-BISABOLENE	0.11
98	43.10	cis-PYRANIC LINALOOL OXIDE	0.02
99	43.54	trans-PIPERITOL	0.02
100	43.67	beta-CURCUMENE	0.02
101	43.95	E,E-alpha-FARNESENE	0.03
102	44.05	gamma-CADINENE	0.20
103	44.11	GERANYL ACETATE	0.55
104	44.24	trans-PYRANIC LINALOOL OXIDE	0.03
105	44.70	beta-SESQUIPHELLANDRENE	0.03
106	44.83	CUMINAL	0.15
107	45.23	p-MENTHA-1,3-DIEN-7-AL	0.02
108	45.38	MYRTENOL	0.02
109	45.81	NEROL	0.19

110	46.05	cis-EPOXYLINALYL ACETATE	0.02
111	46.27	trans-EPOXYLINALYL ACETATE	0.01
112	46.65	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0.01
113	46.86	CALAMENENE	0.01
114	47.03	trans-CARVEOL	0.03
115	47.22	m-CYMENE-8-OL	0.09
116	47.39	p-CYMENE-8-OL	0.08
117	47.52	GERANIOL	0.43
118	47.79	CAPROIC ACID	0.02
119	48.07	BUTYL BENZOATE	0.02
120	49.51	PIPERITENONE	0.01
121	49.91	HUMULENE EPOXIDE	0.03
122	49.96	ALIPHATIC ESTER	0.02
123	50.41	HEXENYLIC ESTER	0.01
124	50.56	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0.01
125	51.01	HEXENYLIC ESTER	0.01
126	51.50	ISOCARYOPHYLLENE OXIDE	0.04
127	51.74	CARYOPHYLLENE OXIDE	0.28
128	52.05	SESQUITERPENIC OXIDE	0.02
129	52.40	alpha-PHOTOSANTALOL A	0.04
130	52.80	SESQUITERPENIC OXIDE	0.01
131	53.21	NEROLIDOL	0.02
132	53.71	Epi-CUBENOL	0.02
133	54.15	AROMATIC COMPOUND	0.02
134	54.50	CUMINOL	0.05
135	56.13	SESQUITERPENOL	0.01
136	56.37	T-CADINOL	0.12
137	56.70	SESQUITERPENOL	0.01
138	57.94	TERPENIC COMPOUND	0.01
139	58.25	GERANYL-alpha-TERPINENE	0.01
140	59.33	E,E-FARNESOL	0.02
141	60.67	SESQUITERPENIC OXIDE	0.01
142	62.42	COUMARIN	0.05
143	65.37	BENZYL BENZOATE	0.01
144	73.66	AROMATIC COMPOUND	0.02
		TOTAL	**99.87**

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