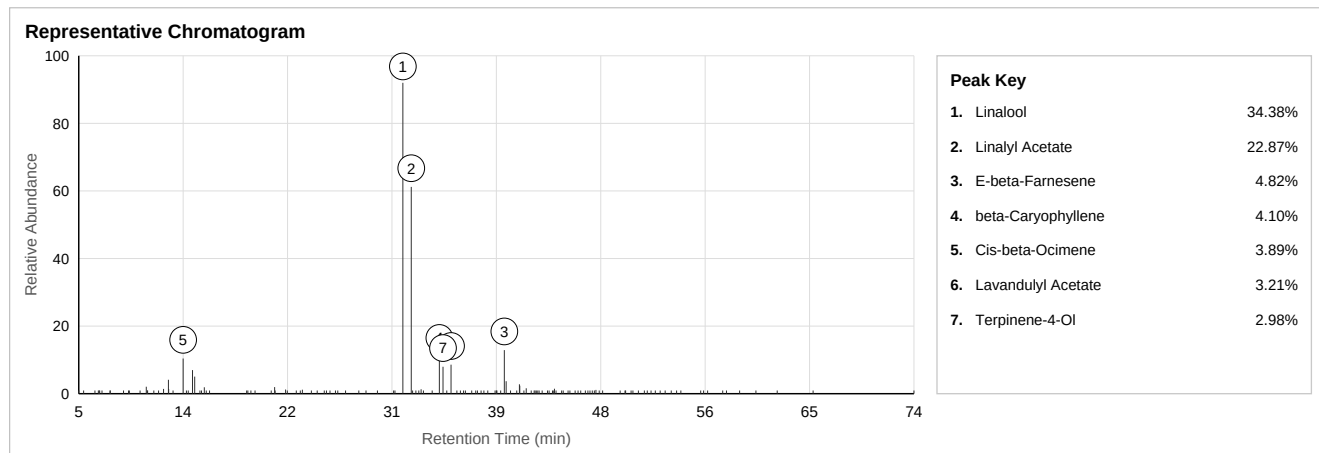


GC-MS Composition Profile

Product Name	Lavender Angustifolia (Bulgaria)
Botanical Name	Lavandula angustifolia
INCI Name	Lavandula Angustifolia Oil
Country of Origin	Bulgaria
CAS Number	8000-28-0 / 90063-37-9
Analysis Date	September 24, 2025
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
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	0.29
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	0.26
14	10.56	beta-Myrcene	0.77
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	1.54
21	12.40	beta-Phellandrene	0.52
22	12.76	Butyl Butyrate	0.12
23	13.59	Cis-beta-Ocimene	3.89
24	13.86	Trans-Arbusculon	0.01
25	14.01	gamma-Terpinene	0.20
26	14.36	Trans-beta-Ocimene	2.61
27	14.54	3-Octanone	1.89
28	14.97	M-Cymene	0.07
29	15.10	P-Cymene	0.22
30	15.33	Hexyl Acetate	0.71

Peak	RT (min)	Compound	Typical %
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	0.46
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	0.44
45	24.13	Hexyl 2-Methylbutyrate	0.05
46	24.61	Linalool Cis-Oxide	0.12
47	25.19	1-Octen-3-ol	0.27
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	0.30
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	34.38
59	32.34	Linalyl Acetate	22.87
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	0.49
64	33.34	Bornyl Acetate	0.13
65	34.06	alpha-Trans-Bergamotene	0.15
66	34.65	beta-Caryophyllene	4.10
67	34.95	Terpinene-4-ol	2.98
68	35.26	Terpinen-4-Yl Acetate	0.03
69	35.61	Lavandulyl Acetate	3.21
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-Muroladiene	0.03
84	39.99	E-beta-Farnesene	4.82
85	40.14	Lavandulol	1.38
86	40.50	Z-beta-Farnesene	0.09
87	41.01	gamma-Murolene	0.03
88	41.23	alpha-Terpineol	1.04
89	41.26	Borneol	0.88
90	41.60	Terpenic Ester	0.01

Peak	RT (min)	Compound	Typical %
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	0.33
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-Epoxylinallyl Acetate	0.02
111	46.27	Trans-Epoxylinallyl 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	0.42
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

Percentages are presented as a typical composition profile prepared from current reliable source data. Small analytical and natural lot-to-lot variation is expected.