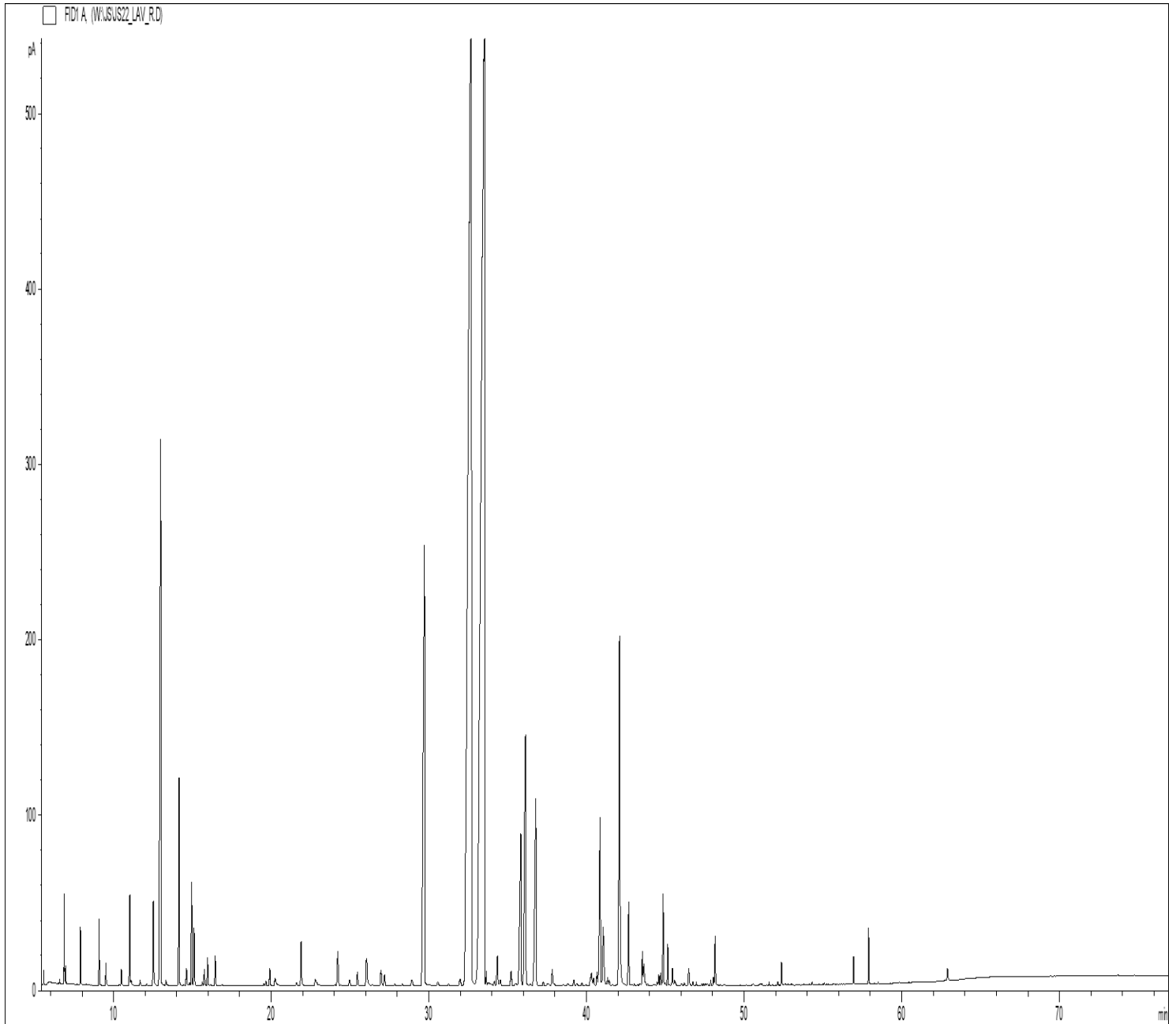


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

DATE: January 2, 2024



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

Peak	RT (min)	Compound name	%
1	5.14	ISOVALERALDEHYDE	0.02
2	5.56	HEXANE, 1-METHOXY-	0.06
3	6.57	TRICYCLENE	0.02
4	6.86	alpha-PINENE	0.38
5	6.94	alpha-THUYENE	0.08
6	6.97	PRENOL	0.01
7	7.89	CAMPHENE	0.28
8	9.07	beta-PINENE	0.35
9	9.50	SABINENE	0.12
10	10.37	BUTYL ISOBUTYRATE	0.01
11	10.50	delta3-CARENE	0.11
12	11.03	beta-MYRCENE	0.51
13	11.12	alpha-PHELLANDRENE	0.04
14	11.68	alpha-TERPINENE	0.04
15	12.09	1,8-CINEOLE, 2,3-DEHYDRO-	0.01
16	12.52	LIMONENE	0.66
17	12.99	1,8-CINEOLE	4.82
18	13.10	beta-PHELLANDRENE	0.14
19	13.33	BUTYL BUTYRATE	0.04
20	14.16	cis-beta-OCIMENE	1.39
21	14.63	gamma-TERPINENE	0.12
22	14.83	BUTYL 2-METHYLBUTYRATE	0.02
23	14.96	trans-beta-OCIMENE	0.67
24	15.12	3-OCTANONE	0.37
25	15.63	m-CYMENE	0.02
26	15.76	p-CYMENE	0.12
27	15.97	HEXYL ACETATE	0.19
28	16.45	TERPINOLENE	0.21
29	19.55	3-OCTANOL ACETATE	0.02
30	19.66	HEXYL PROPIONATE	0.04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

Peak	RT (min)	Compound name	%
31	19.90	HEXYL METHYLPROPIONATE	0.15
32	20.23	1-HEXANOL	0.12
33	21.59	ALLO-OCIMENE	0.04
34	21.89	1-OCTEN-3-YL ACETATE	0.34
35	22.00	3-HEXEN-1-OL	0.04
36	22.78	3-OCTANOL	0.11
37	23.03	GALBANOLENE	0.01
38	24.04	BUTYL CAPROATE	0.01
39	24.22	HEXYL BUTYRATE	0.34
40	24.41	HEXENYLIC ESTER	0.01
41	24.97	HEXYL 2-METHYLBUTYRATE	0.06
42	25.40	alpha,p-DIMETHYLSTYRENE	0.02
43	25.46	LINALOOL cis-OXIDE	0.10
44	25.95	HEXYL 3-METHYLBUTYRATE	0.13
45	26.04	1-OCTEN-3-OL	0.23
46	26.15	CAMPHENILONE	0.03
47	26.41	1-HEPTANOL	0.03
48	26.96	trans-THUYANOL	0.16
49	27.18	LINALOOL trans-OXIDE	0.11
50	27.83	OCTYL ACETATE	0.02
51	28.30	alpha-CAMPHOLENAL	0.02
52	28.92	DAUCENE	0.08
53	29.71	CAMPHOR	6.03
54	30.57	beta-BOURBONENE	0.05
55	31.23	alpha-GURJUNENE	0.02
56	31.98	BERGAMOTENE ISOMER	0.09
57	32.10	beta1-CUBEBENE	0.02
58	32.30	cis-THUYANOL	0.05
59	32.68	LINALOOL	30.38
60	33.52	LINALYL ACETATE	30.79

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

Peak	RT (min)	Compound name	%
61	33.63	BERGAMOTENE ISOMER	0.09
62	33.78	ALIPHATIC ESTER	0.05
63	33.86	BORNYL FORMATE	0.04
64	34.14	alpha-cis-BERGAMOTENE	0.05
65	34.34	alpha-SANTALENE	0.27
66	34.49	epsilon-CADINENE	0.02
67	34.53	BORNYL ACETATE	0.06
68	35.21	alpha-trans-BERGAMOTENE	0.15
69	35.48	beta-CUBEBENE	0.04
70	35.83	beta-CARYOPHYLLENE	1.98
71	36.12	TERPINENE-4-OL	3.06
72	36.42	ACETATE DE TERPINEN-4-YLE	0.03
73	36.78	LAVANDULYL ACETATE	2.45
74	37.25	HEXYL CAPROATE	0.04
75	37.51	AROMADENDRENE	0.04
76	37.83	HEXYL TIGLATE	0.16
77	37.95	MYRTENAL	0.02
78	38.51	Epi-beta-SANTALENE	0.02
79	38.79	GERMACRENE A	0.03
80	39.19	FARNESENE ISOMER	0.06
81	39.36	beta-SANTALENE	0.03
82	39.71	trans-PINOCARVEOL	0.03
83	40.27	ZONARENE	0.06
84	40.31	FARNESENE ISOMER	0.13
85		CRYPTONE	
86	40.44	alpha-HUMULENE	0.08
87	40.66	delta-TERPINEOL	0.11
88	40.86	E-beta-FARNESENE	1.74
89	41.05	LAVANDULOL	0.72
90	41.33	Z-beta-FARNESENE	0.07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

Peak	RT (min)	Compound name	%
91	41.44	NERAL	0.05
92	41.62	gamma-CURCUMENE	0.02
93	42.08	alpha-TERPINEOL	0.97
94	42.15	BORNEOL	2.63
95	42.67	GERMACRENE D	0.71
96	43.01	PELLANDRAL	0.02
97	43.21	MENTHADIENOL ISOMER	0.01
98	43.39	alpha-ZINGIBERENE	0.03
99	43.54	NERYL ACETATE	0.24
100	43.64	beta-BISABOLENE	0.19
101	43.73	BICYCLOGERMACRENE	0.03
102	43.88	cis-PYRANIC LINALOOL OXIDE	0.02
103	44.47	beta-CURCUMENE	0.03
104	44.57	LAVANDULYL BUTYRATE	0.07
105	44.70	E,E-alpha-FARNESENE	0.08
106	44.86	GERANYL ACETATE	0.67
107		gamma-CADINENE	
108	44.97	trans-PYRANIC LINALOOL OXIDE	0.03
109	45.15	LAVANDULYL METHYLBUTYRATE	0.26
110	45.45	beta-SESQUIPELLANDRENE	0.13
111	45.59	trans-alpha-BISABOLENE	0.03
112	45.65	CUMINAL	0.04
113	46.04	MYRTENOL	0.03
114	46.20	CAMPHOLENOL	0.03
115	46.48	NEROL	0.15
116	46.74	cis-EPOXYLINALYL ACETATE	0.03
117	46.96	trans-EPOXYLINALYL ACETATE	0.02
118	47.30	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0.01
119	47.42	trans-ANETHOL	0.01
120	47.57	CALAMENENE	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL – 40/42 – 11077

Peak	RT (min)	Compound name	%
121	47.68	trans-CARVEOL	0.02
122	47.88	m-CYMENE-8-OL	0.03
123	48.05	p-CYMENE-8-OL	0.06
124	48.15	GERANIOL	0.36
125	50.56	HUMULENE EPOXIDE	0.02
126	51.01	GERANYL METHYLBUTYRATE	0.01
127	51.06	ALIPHATIC ESTER	0.01
128	51.13	HEXENYLIC ESTER	0.01
129	51.58	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0.02
130	52.12	ISOCARYOPHYLLENE OXIDE	0.02
131	52.37	CARYOPHYLLENE OXIDE	0.14
132	52.59	TERPENIC COMPOUND	0.01
133	52.99	alpha-PHOTOSANTALOL A	0.02
134	54.31	Epi-CUBENOL	0.02
135	55.07	CUMINOL	0.02
136	56.94	T-CADINOL	0.16
137	57.89	alpha-BISABOLOL	0.31
138	58.50	GERANYL-alpha-TERPINENE	0.01
139	59.84	AROMATIC COMPOUND	0.01
140	62.89	COUMARIN	0.12
		TOTAL	99.93

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