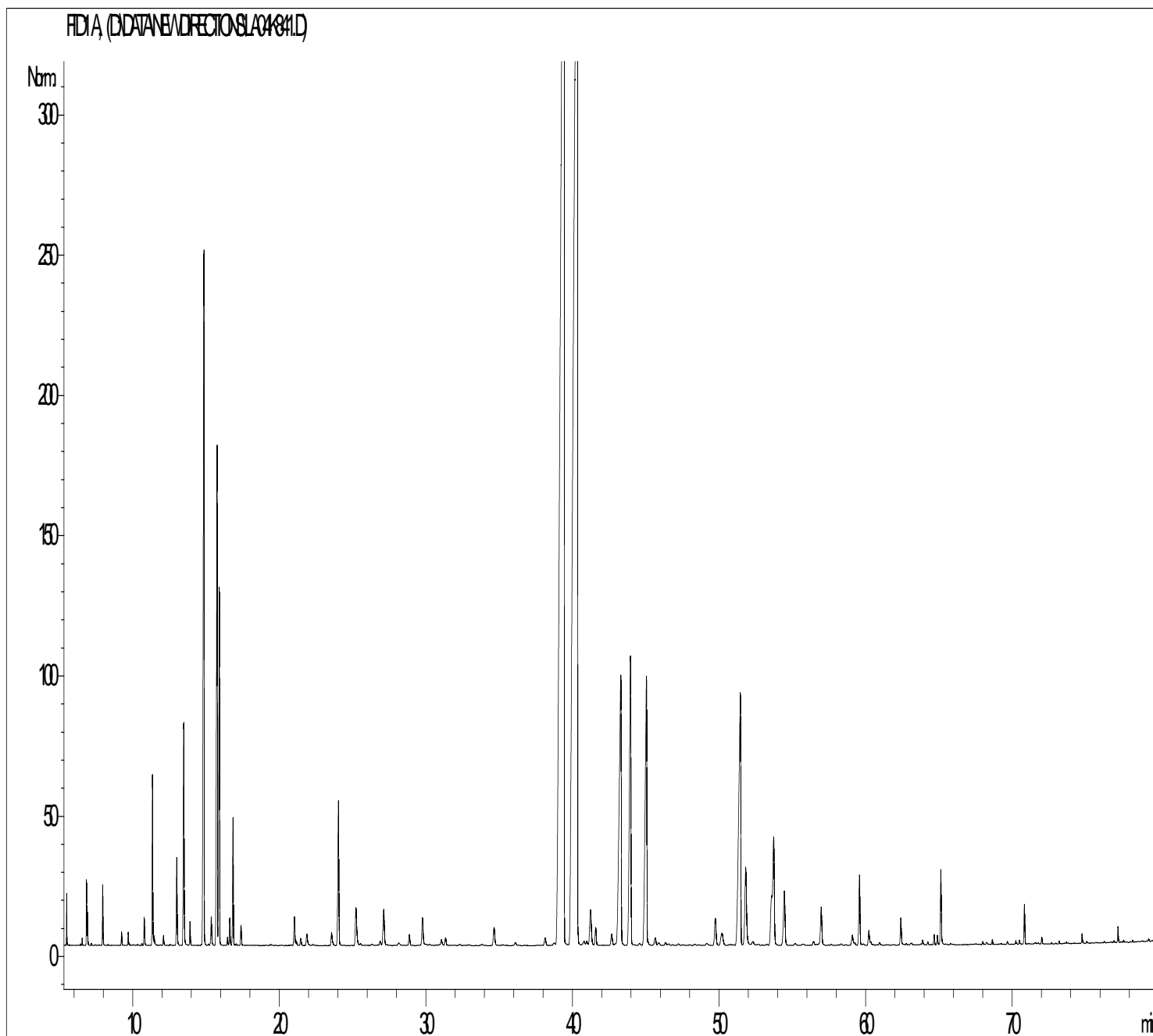


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL - POPULATION - 11079

DATE: November 1, 2019



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 - POPULATION - 11079

Peak	RT (min)	Compound name	%
1	4,3	ACETONE	0,03
2	4,8	FURAN-2-METHYL	0,01
3	5,0	BUTANAL, 2-METHYL	0,01
4	5,1	ISOVALERALDEHYDE	0,02
6	5,5	HEXANE METHOXY	0,12
7	6,5	TRICYCLENE	0,02
8	6,8	α -PINENE	0,20
9	6,9	α -THUYENE	0,12
10	7,1	PRENOL	0,01
11	7,4	TOLUENE	0,01
12	8,0	CAMPHENE	0,19
13	8,1	BUTYL ACETATE	0,03
14	8,3	HEXANAL	0,01
15	9,2	β -PINENE	0,06
16	9,6	SABINENE	0,06
17	10,6	ALIPHATIC ESTER	0,01
18	10,8	Δ 3-CARENE	0,13
19	11,3	β -MYRCENE	0,77
20	11,4	α -PHELLANDRENE	0,06
21	12,0	α -TERPINENE	0,05
22	12,5	2,3-DEHYDRO-1,8-CINEOLE	0,01
23	12,9	LIMONENE	0,49
24	13,4	1,8-CINEOLE	0,90
25	13,5	β-PHELLANDRENE	0,39
26	13,8	BUTYL BUTYRATE	0,12
27	14,6	ALIPHATIC ESTER	0,01
28	14,8	Cis-β-OCIMENE	4,33
29	15,1	Trans-ARBUSCULON	0,01
30	15,3	γ -TERPINENE	0,17
31	15,7	Trans-β-OCIMENE	2,99
32	15,9	3-OCTANONE	1,89

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL - POPULATION - 11079

Peak	RT (min)	Compound name	%
33	16,4	m-CYMENE	0,04
34	16,6	p-CYMENE	0,15
35	16,8	HEXYL ACETATE	0,65
36	17,0	ISOTERPINOLENE	0,01
37	17,4	TERPINOLENE	0,12
38	19,4	3-HEXEN-1-OL ACETATE	0,03
39	21,0	1-ETHYLHEXYL ACETATE	0,20
40	21,1	HEXYL PROPIONATE	0,03
41	21,4	HEXYL METHYLPROPIONATE	0,05
42	21,8	1-HEXANOL	0,10
43	23,5	ALLO-OCIMENE	0,11
44	24,0	OCT-1-EN-3-YL ACETATE	1,03
45	25,2	3-OCTANOL	0,26
46	25,3	GALBANOLENE	0,11
47	25,5	COMPOUND Mw=150	0,02
48	26,3	UNDECATRIENE ISOMER	0,04
49	26,8	BUTYL CAPROATE	0,04
50	27,1	HEXYL BUTYRATE	0,34
51	28,1	HEXYL, 2-METHYLBUTYRATE	0,03
52	28,8	LINALOOL Cis-OXIDE	0,08
53	29,7	1-OCTEN-3-OL	0,25
54	31,0	Trans-THUYANOL	0,07
55	31,3	LINALOOL Trans-OXIDE	0,07
56	32,3	OCTYL ACETATE	0,02
57	33,8	α -COPAENE	0,03
58	34,6	CAMPHOR	0,18
59	36,1	β -BOURBONENE	0,03
60	38,1	BERGAMOTENE ISOMER	0,08
61	38,7	Cis-THUYANOL	0,03
62	39,4	LINALOOL	30,67
63	40,2	LINALYL ACETATE	30,78
64	40,3	BERGAMOTENE ISOMER	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL - POPULATION - 11079

Peak	RT (min)	Compound name	%
65	40,7	BORNYL FORMATE	0,06
66	40,9	α ,cis-BERGAMOTENE	0,04
67	41,2	α -SANTALENE	0,41
68	41,5	BORNYL ACETATE	0,15
69	42,6	α -trans-BERGAMOTENE	0,11
70	43,3	β-CARYOPHYLLENE	3,79
71	43,9	TERPINENE-4-OL	3,00
72	45,0	LAVANDULYL ACETATE	3,09
73	45,1	HOTRIENOL	0,02
74	45,6	HEXYL CAPROATE	0,08
75	45,8	SESQUITERPENE	0,03
76	46,3	HEXYL TIGLATE	0,03
77	46,5	Cis-p-MENTH-2-EN-1-OL	0,02
78	47,2	Epi- β -SANTALENE	0,02
79	48,3	FARNESENE ISOMER	0,02
80	49,1	FARNESENE ISOMER	0,03
81	49,7	CRYPTONE	0,28
82	50,2	α -HUMULENE + FARNESENE ISOMER	0,19
83	51,4	E-β-FARNESENE	3,50
84	51,8	LAVANDULOL	0,92
85	52,3	Z- β -FARNESENE	0,06
86	53,5	BORNEOL	0,40
87	53,7	α-TERPINEOL	1,25
88	54,4	GERMACRENE D	0,59
89	55,1	PHELLANDRAL	0,02
90	56,4	SESQUITERPENE	0,04
91	56,9	NERYL ACETATE	0,38
92	58,3	Cis-PIPERITOL	0,02
93	59,1	γ -CADINENE	0,11
94	59,2	SESQUITERPENE	0,02
95	59,5	GERANYL ACETATE	0,53

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL - POPULATION - 11079

Peak	RT (min)	Compound name	%
96	60,2	CUMINAL	0,12
97	60,3	α -CURCUMENE	0,02
98	60,9	MENTHADIENAL ISOMER	0,02
99	62,4	NEROL	0,19
100	62,7	Cis-EPOXYLINALYL ACETATE	0,01
101	63,1	Trans-EPOXYLINALYL ACETATE	0,01
102	63,8	CALAMENENE	0,03
103	64,2	Trans-CARVEOL	0,02
104	64,6	m-CYMENE-8-OL	0,06
105	64,8	p-CYMENE-8-OL	0,06
106	65,1	GERANIOL	0,48
107	65,8	Cis-CARVEOL + PHENYLMETHYL BUTYRATE	0,02
108	68,0	PIPERITENONE	0,02
109	68,2	HUMULENE EPOXIDE	0,02
110	68,6	ISOPENTYL CAPROATE	0,02
111	69,6	DENDROLASIN Mw=218	0,02
112	70,2	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,03
113	70,5	ISOCARYOPHYLLENE EPOXIDE	0,03
114	70,8	CARYOPHYLLENE EPOXIDE	0,24
115	72,0	α -PHOTOSANTALOL A	0,05
116	73,2	NEROLIDOL	0,02
117	73,7	CUBENOL	0,02
118	74,7	CUMINOL	0,09
119	75,0	ALIPHATIC ESTER	0,01
120	77,0	PHOTOSANTALOL ISOMER	0,01
121	77,2	T-CADINOL	0,12
122	78,2	PHENOL, 1-METHYLETHYL	0,02
123	79,3	GERANYL-p-CYMENE	0,02
124	79,6	FURANIC COMPOUND	0,01
125	81,0	FARNESOL	0,01
126	84,5	COUMARIN	0,05
		TOTAL	99,99

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