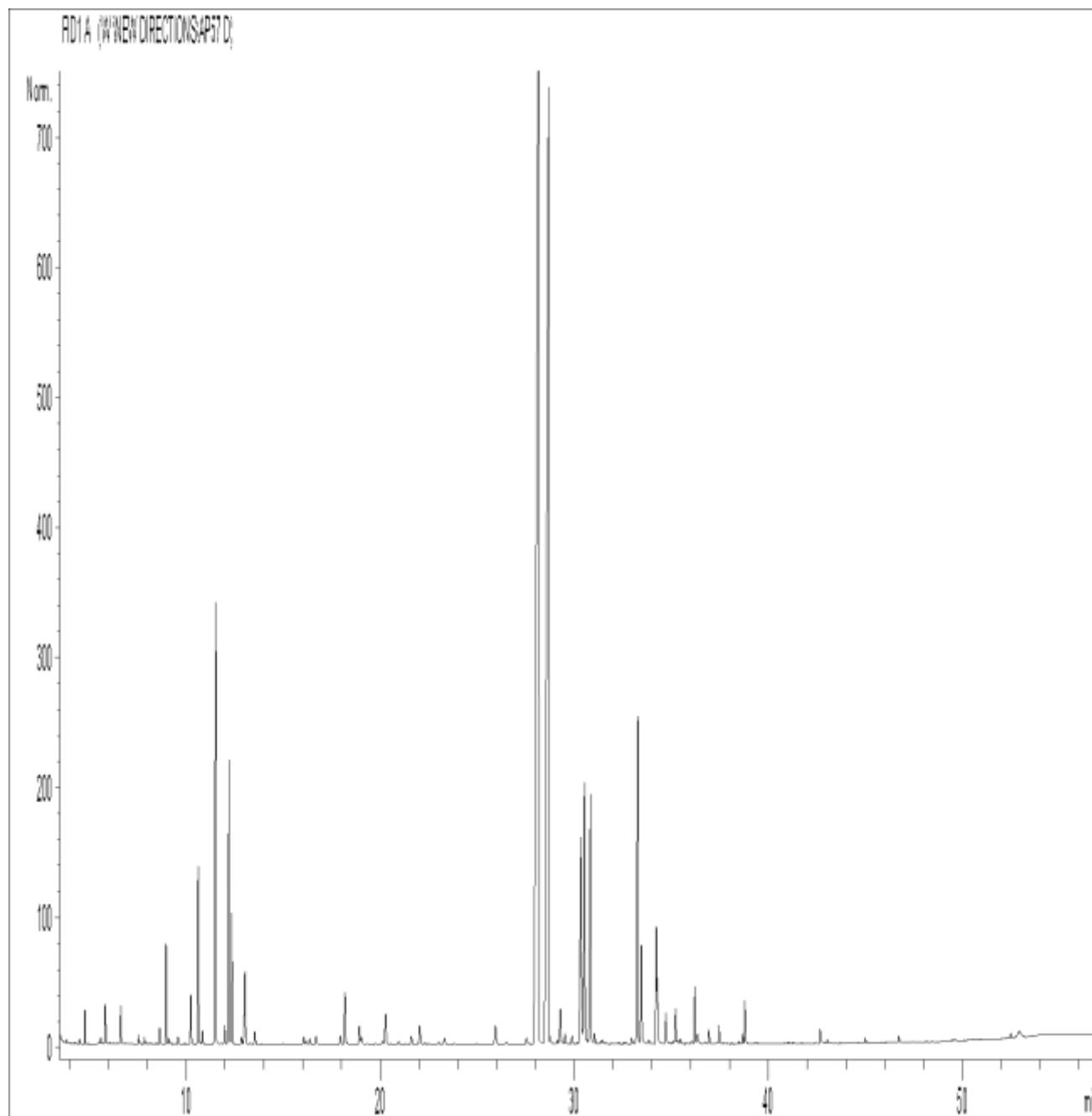


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (POPULATION)

DATE: February 6, 2020

Lot#: 11079A10920



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)

Peak	RT (min)	Compound name	%
1	3,86	ACETONE	0,02
2	4,51	ISOVALERALDEHYDE	0,02
3	4,80	HEXANE, 1-METHOXY-	0,18
4	5,61	TRICYCLENE	0,03
5	5,83	alpha-PINENE	0,25
6	5,86	alpha-THUYENE	0,13
7	6,09	TOLUENE	0,01
8	6,61	BUTYL ACETATE	0,02
9	6,64	CAMPHENE	0,27
10	7,56	beta-PINENE	0,07
11	7,86	SABINENE	0,06
12	8,64	delta3-CARENE	0,15
13	8,97	beta-MYRCENE	0,90
14	9,13	alpha-PHELLANDRENE	0,06
15	9,58	alpha-TERPINENE	0,07
16	9,93	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
17	10,24	LIMONENE	0,52
18	10,62	1,8-CINEOLE	1,93
19		beta-PHELLANDRENE	
20	10,83	BUTYL BUTYRATE	0,13
21	11,52	cis-beta-OCIMENE	5,33
22	11,83	trans-ARBUSCULON	0,01
23	11,99	gamma-TERPINENE	0,21
24	12,21	trans-beta-OCIMENE	3,30
25	12,36	3-OCTANONE	1,35
26	12,86	m-CYMENE	0,07
27	13,00	HEXYL ACETATE	0,21
28	13,04	p-CYMENE	0,78
29	13,29	ISOTERPINOLENE	0,01
30	13,54	TERPINOLENE	0,14

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (POPULATION)

Peak	RT (min)	Compound name	%
31	16,05	3-OCTANOL ACETATE	0,10
32	16,19	HEXYL PROPIONATE	0,04
33	16,37	HEXYL METHYLPROPIONATE	0,08
34	16,69	1-HEXANOL	0,11
35	17,94	ALLO-OCIMENE	0,12
36	18,18	1-OCTEN-3-YL ACETATE	0,68
37	18,27	3-HEXEN-1-OL	0,03
38	18,93	3-OCTANOL	0,25
39	19,04	GALBANOLENE	0,11
40	19,32	ANISALDEHYDE, TRIMETHYL-	0,01
41	19,74	UNDECATRIENE ISOMER	0,01
42	20,12	BUTYL CAPROATE	0,05
43	20,27	HEXYL BUTYRATE	0,48
44	20,95	HEXYL 2-METHYLBUTYRATE	0,05
45	21,31	alpha-p-DIMETHYLSTYRENE	0,01
46	21,60	LINALOOL cis-OXIDE	0,12
47	22,04	1-OCTEN-3-OL	0,29
48	22,29	ACETIC ACID	0,02
49	22,49	CAMPHENILONE	0,02
50	23,00	trans-THUYANOL	0,04
51	23,31	LINALOOL trans-OXIDE	0,09
52	23,81	OCTYL ACETATE	0,01
53	25,94	CAMPHOR	0,33
54	26,50	beta-BOURBONENE	0,04
55	27,55	BERGAMOTENE ISOMER	0,10
56	28,16	LINALOOL	32,82
57	28,69	LINALYL ACETATE	24,76
58	28,75	BERGAMOTENE ISOMER	0,06
59	28,81	PINOCARVONE	0,04
60	29,13	alpha-cis-BERGAMOTENE	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (POPULATION)

Peak	RT (min)	Compound name	%
61	29,28	alpha-SANTALENE	0,46
62	29,35	epsilon-CADINENE	0,03
63	29,53	BORNYL ACETATE	0,14
64	29,89	alpha-trans-BERGAMOTENE	0,12
65	30,16	beta-CUBEBENE	0,02
66	30,35	beta-CARYOPHYLLENE	3,30
67	30,54	TERPINENE-4-OL	3,36
68	30,65	TERPENIC ESTER	0,08
69	30,84	LAVANDULYL ACETATE	3,37
70	31,05	HEXYL CAPROATE	0,14
71	31,36	HEXYL TIGLATE	0,03
72	31,44	AROMADENDRENE	0,06
73	31,58	MYRTENAL	0,03
74	31,93	beta-SANTALENE	0,02
75	32,15	GERMACRENE A	0,01
76	32,31	FARNESENE ISOMER	0,02
77	32,55	trans-PINOCARVEOL	0,03
78	32,67	FARNESENE ISOMER	0,03
79	32,96	FARNESENE ISOMER	0,08
80	33,02	LACTONE LAVANDE	0,01
81	33,28	E-beta-FARNESENE	4,81
82	33,46	LAVANDULOL	1,10
83	33,52	cis-4,5-MUROLADIENE	0,06
84	33,63	LAVANDULYL ISOBUTYRATE	0,02
85	33,84	NERAL	0,04
86	33,85	Z-beta-FARNESENE	0,03
87	34,23	alpha-TERPINEOL	1,22
88	34,28	BORNEOL	0,73
89	34,50	VERBENONE	0,02
90	34,72	GERMACRENE D	0,40

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (POPULATION)

Peak	RT (min)	Compound name	%
91	34,90	MENTHADIENOL ISOMER	0,03
92	35,11	PIPERITONE	0,04
93	35,23	NERYL ACETATE	0,38
94	35,32	beta-BISABOLENE	0,05
95	35,47	CARVONE	0,06
96	35,54	BICYCLOGERMACRENE	0,02
97	35,79	trans-PIPERITOL	0,01
98	35,81	beta-CURCUMENE	0,01
99	36,04	E,E-alpha-FARNESENE	0,03
100	36,07	LINALOOL PYRANOID trans-OXIDE	0,01
101	36,21	GERANYL ACETATE	0,56
102	36,36	gamma-CADINENE	0,17
103	36,72	CADINA-1,4-DIENE	0,02
104	36,76	alpha-CURCUMENE	0,02
105	36,95	CUMINAL	0,16
106	37,35	MYRTENOL	0,03
107	37,47	NEROL	0,21
108	37,74	cis-EPOXYLINALYL ACETATE	0,02
109	38,10	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0,01
110	38,48	trans-CARVEOL	0,03
111	38,67	m-CYMENE-8-OL	0,10
112	38,79	GERANIOL	0,43
113	38,82	p-CYMENE-8-OL	0,10
114	39,31	AROMATIC COMPOUND	0,02
115	41,00	PIPERITENONE	0,01
116	41,10	HUMULENE EPOXIDE	0,02
117	42,43	ISOCARYOPHYLLENE EPOXIDE	0,02
118	42,67	CARYOPHYLLENE EPOXIDE	0,22
119	43,05	alpha-PHOTOSANTALOL A	0,04
120	43,68	NEROLIDOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (POPULATION)

Peak	RT (min)	Compound name	%
121	44,33	CUBENOL	0,01
122	45,00	CUMINOL	0,05
123	46,48	SESQUITERPENIC EPOXIDE	0,01
124	46,72	T-CADINOL	0,07
125	52,49	COUMARIN	0,05
		TOTAL	99,97

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