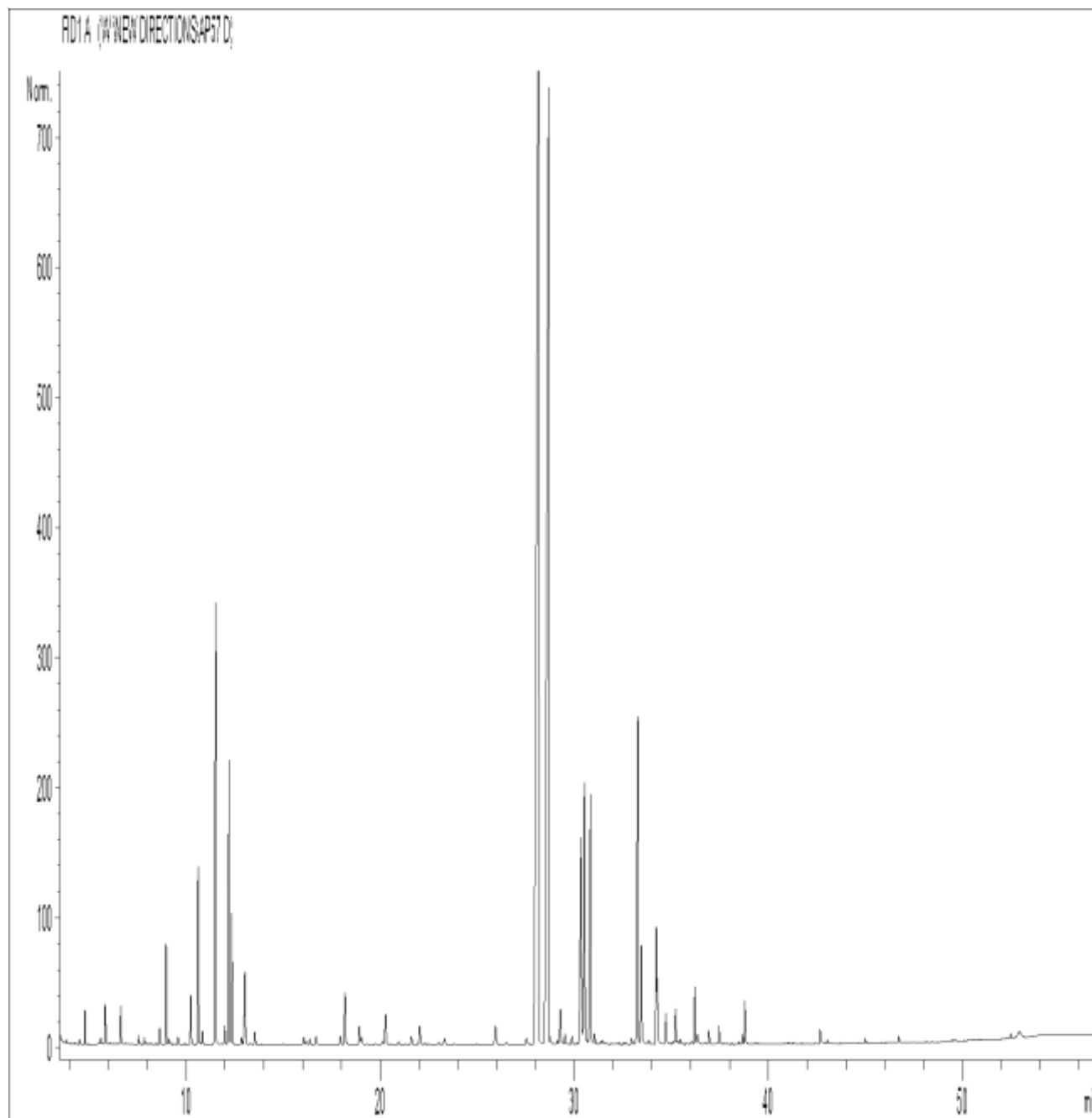


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (FRANCE)

DATE: February 6, 2020

Lot#: 11078A10220



*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 (FRANCE) - 11078

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	<b>LIMONENE</b>	<b>0,52</b>
18	10,62	<b>1,8-CINEOLE</b>	<b>1,93</b>
19		<b>beta-PHELLANDRENE</b>	
20	10,83	BUTYL BUTYRATE	0,13
21	11,52	<b>cis-beta-OCIMENE</b>	<b>5,33</b>
22	11,83	trans-ARBUSCULON	0,01
23	11,99	gamma-TERPINENE	0,21
24	12,21	<b>trans-beta-OCIMENE</b>	<b>3,30</b>
25	12,36	<b>3-OCTANONE</b>	<b>1,35</b>
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 (FRANCE) - 11078

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	<b>CAMPHOR</b>	<b>0,33</b>
54	26,50	beta-BOURBONENE	0,04
55	27,55	BERGAMOTENE ISOMER	0,10
56	28,16	<b>LINALOOL</b>	<b>32,82</b>
57	28,69	<b>LINALYL ACETATE</b>	<b>24,76</b>
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 (FRANCE) - 11078

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	<b>beta-CARYOPHYLLENE</b>	<b>3,30</b>
67	30,54	<b>TERPINENE-4-OL</b>	<b>3,36</b>
68	30,65	TERPENIC ESTER	0,08
69	30,84	<b>LAVANDULYL ACETATE</b>	<b>3,37</b>
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	<b>E-beta-FARNESENE</b>	<b>4,81</b>
82	33,46	<b>LAVANDULOL</b>	<b>1,10</b>
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	<b>alpha-TERPINEOL</b>	<b>1,22</b>
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 (FRANCE) - 11078

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 (FRANCE) - 11078

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
		<b>TOTAL</b>	<b>99,97</b>

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