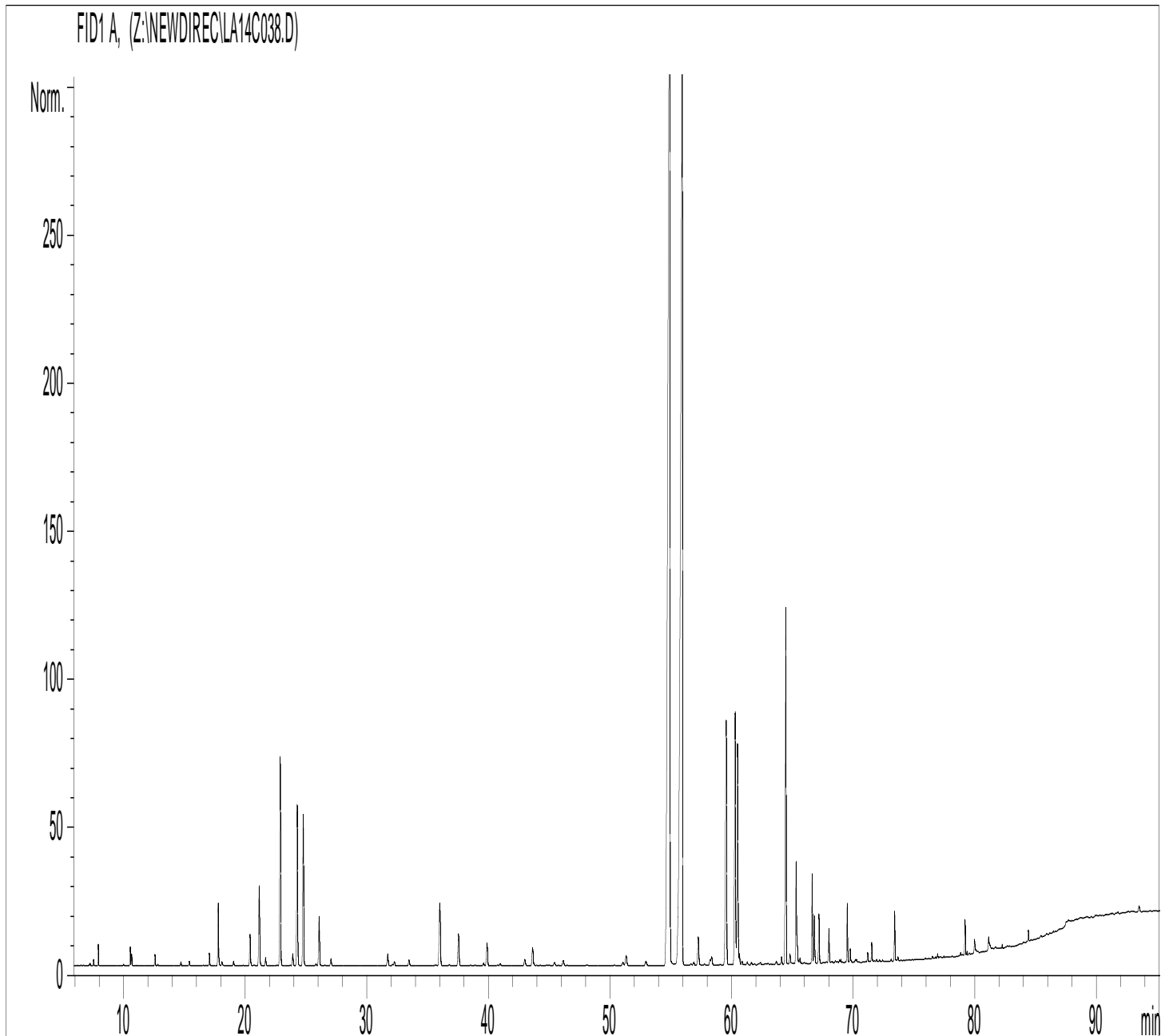




GCMS ANALYSIS

PRODUCT NAME: LAVENDER BULGARIAN ESSENTIAL OIL - 11168

DATE: July 27, 2017



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 BULGARIAN ESSENTIAL OIL - 11168

Peak	RT (min)	Compound name	%
1	5,4	ACETONE	0,60
2	7,1	2-METHYLBUTANAL	0,01
3	7,2	ISOVALERALDEHYDE	0,02
4	7,5	ETHANOL	0,05
5	7,9	HEXANE METHOXY	0,13
6	8,00	2-ETHYL FURAN	0,01
7	10,0	TRICYCLEN	0,01
8	10,5	α -PINENE	0,18
9	10,6	α -THUYENE	0,11
10	11,0	PRENOL	0,01
11	12,6	CAMPHENE	0,12
12	12,8	BUTYL ACETATE	0,02
13	14,7	β -PINENE	0,04
14	15,4	SABINENE	0,05
15	17,0	Δ 3-CARENE	0,15
16	17,7	β -MYRCENE	0,72
17	18,1	α -PHELLANDRENE	0,05
18	19,0	α -TERPINENE	0,06
19	20,4	LIMONENE	0,40
20	21,0	1,8-CINEOLE	0,78
21	21,1	β -PHELLANDRENE	0,40
22	21,6	BUTYL BUTYRATE	0,10
23	22,9	Cis-β-OCIMENE	2,79
24	23,9	γ -TERPINENE	0,16
25	24,2	Trans-β-OCIMENE	2,20
26	24,8	3-OCTANONE	2,05
27	25,8	m-CYMENE	0,04
28	26,0	HEXYL ACETATE	0,63
29	26,1	p-CYMENE	0,10
30	27,0	TERPINOLENE	0,10

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER BULGARIAN ESSENTIAL OIL - 11168

Peak	RT (min)	Compound name	%
31	31,7	1-ETHYLHEXYL ACETATE	0,20
32	32,1	HEXYL PROPIONATE	0,03
33	32,3	HEXYL ISOBUTYRATE	0,08
34	33,5	1-HEXANOL	0,09
35	35,7	ALLO-OCIMENE	0,04
36	36,0	OCT-1-EN-3-YL ACETATE	1,10
37	36,8	3-HEXEN-1-OL	0,03
38	37,5	3-OCTANOL	0,54
39	38,5	GALBANOLENE	0,02
40	39,6	BUTYL CAPROATE	0,04
41	39,9	HEXYL BUTYRATE	0,40
42	41,0	HEXYL 2-METHYLBUTYRATE	0,03
43	43,0	LINALOOL Cis-OXIDE	0,12
44	43,6	1-OCTEN-3-OL	0,33
45	45,4	Trans-THUYANOL	0,06
46	46,1	LINALOOL Trans-OXIDE	0,10
47	46,4	OCTYL ACETATE	0,02
48	48,1	PINENOL ISOMER	0,03
49	51,1	β -BOURBONENE	0,07
50	51,3	CAMPHOR	0,22
51	52,9	BERGAMOTENE ISOMER	0,09
52	54,8	LINALOOL	31,90
53	55,9	LINALYL ACETATE	27,03
54	56,0	BERGAMOTENE ISOMERE	0,10
55	56,6	Trans-p-MENTH-2-EN-1-OL	0,04
56	56,9	α ,cis-BERGAMOTENE	0,06
57	57,2	α -SANTALENE	0,52
58	57,7	BORNYL FORMIATE	0,04
59	58,2	BORNYL ACETATE	0,13
60	58,3	α ,trans-BERGAMOTENE	0,15

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: LAVENDER BULGARIAN ESSENTIAL OIL - 11168

Peak	RT (min)	Compound name	%
61	58,8	NOPINONE	0,01
62	59,0	β -CUBEBENE	0,01
63	59,5	β-CARYOPHYLLENE	4,35
64	60,3	TERPINENE-4-OL	3,86
65	60,5	LAVANDULYL ACETATE	3,23
66	60,6	HEXYL CAPROATE	0,14
67	60,8	HOTRIENOL	0,05
68	61,3	HEXYL TIGLATE	0,04
69	61,6	Cis-p-MENTH-2-EN-1-OL	0,03
70	61,8	MYRTENAL	0,01
71	62,2	SABINACETONE	0,02
72	62,4	Epi- β -SANTALENE	0,04
73	62,7	CADINA-3,5-DIENE	0,02
74	63,0	FARNESENE ISOMER	0,03
75	63,6	FARNESENE ISOMER	0,04
76	64,1	FARNESENE ISOMER	0,10
77	64,4	E-β-FARNESENE	4,62
78	64,8	α -HUMULENE	0,14
79	65,3	LAVANDULOL	1,23
80	65,4	CRYPTONE	0,17
81	65,5	Trans-VERBENOL	0,02
82	65,6	Z- β -FARNESENE	0,08
83	66,0	γ -CURCUMENE	0,03
84	66,6	α-TERPINEOL	1,01
85	66,8	BORNEOL	0,56
86	67,2	GERMACRENE D	0,63
87	68,0	NERYL ACETATE	0,35
88	68,1	β -BISABOLENE	0,06
89	68,2	PELLANDRAL	0,01
90	68,3	PIPERITONE	0,02

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: LAVENDER BULGARIAN ESSENTIAL OIL - 11168

Peak	RT (min)	Compound name	%
91	68,5	PYRANIC LINALOOL Cis-OXIDE	0,03
92	68,6	α -FARNESENE	0,01
93	66,7	GERANIAL	0,01
94	68,8	CARVONE + BICYCLOGERMACRENE	0,04
95	69,0	Cis-PIPERITOL	0,04
96	69,5	GERANYL ACETATE	0,63
97	69,6	PYRANIC LINALOOL trans-OXIDE	0,03
98	69,6	δ -CADINENE	0,01
99	69,7	γ -CADINENE	0,19
100	70,1	β -SESQUIPHELLANDRENE	0,03
101	70,2	α -BISABOLENE	0,04
102	71,0	p-METHYLACETOPHENONE	0,01
103	71,2	CUMINAL	0,12
104	71,5	NEROL	0,21
105	71,9	EPOXY-LINALYL ACETATE ISOMER	0,03
106	72,1	EPOXY-LINALYL ACETATE ISOMER	0,02
107	72,4	2,6 DIMETHYL-3,7-OCTADIENE-2,6-DIOL	0,02
108	73,1	Trans-CARVEOL	0,02
109	73,4	GERANIOL	0,50
110	73,5	m-CYMENE-8-OL	0,02
111	73,6	p-CYMENE-8-OL	0,05
112	76,5	3,7-OCTADIENE-2,6-DIOL-2,6-DIMETHYL	0,02
113	76,9	SESQUITERPENIC EPOXIDE	0,03
114	77,4	TERPENIC ALCOHOL	0,01
115	78,8	ISOCARYOPHYLLENE EPOXIDE	0,03
116	79,2	CARYOPHYLLENE EPOXIDE	0,39
117	79,3	α -PHOTOSANTALOL A	0,04
118	80,0	NEROLIDOL	0,17
119	81,1	SESQUITERPENOL	0,24
120	82,3	CUMINOL	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER BULGARIAN ESSENTIAL OIL - 11168

Peak	RT (min)	Compound name	%
121	84,4	T-CADINOL	0,14
122	93,5	COUMARIN	0,10
		TOTAL	99,87

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