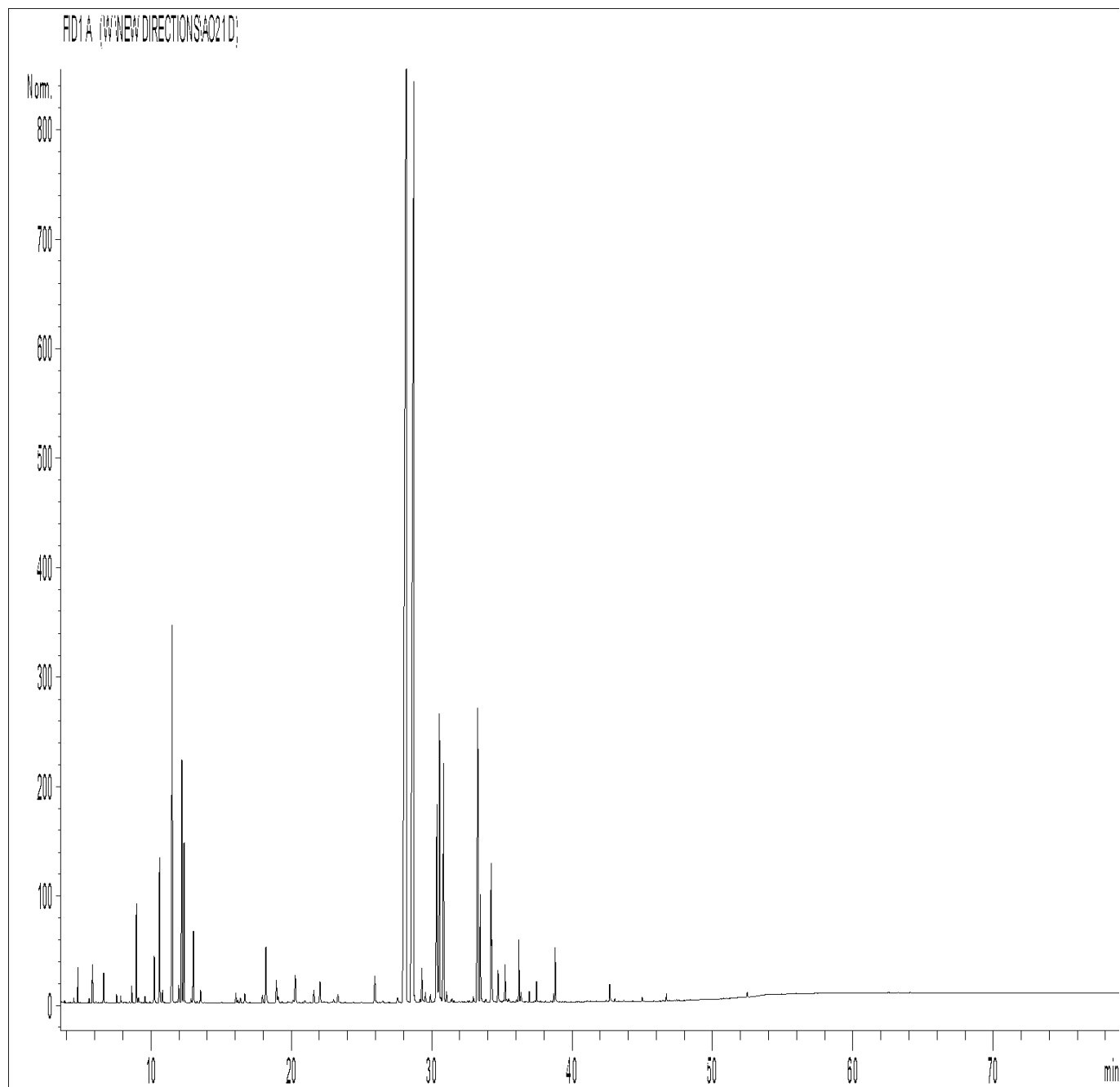


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (GREECE) - 11332

DATE: January 16, 2020



*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 (GREECE) - 11332

Peak	RT (min)	Compound name	%
1	3,86	ACETONE	0,01
2	4,51	ISOVALERALDEHYDE	0,02
3	4,80	HEXANE, 1-METHOXY-	0,18
4	5,61	TRICYCLENE	0,02
5	5,83	alpha-PINENE	0,24
6	5,86	alpha-THUYENE	0,13
7	6,61	BUTYL ACETATE	0,02
8	6,64	CAMPHENE	0,22
9	7,56	beta-PINENE	0,07
10	7,86	SABINENE	0,06
11	8,64	delta3-CARENE	0,15
12	8,97	beta-MYRCENE	0,86
13	9,13	alpha-PHELLANDRENE	0,05
14	9,15	psi-LIMONENE	0,01
15	9,58	alpha-TERPINENE	0,06
16	10,24	<b>LIMONENE</b>	<b>0,50</b>
17	10,62	<b>1,8-CINEOLE</b>	<b>1,57</b>
18		beta-PHELLANDRENE	
19	10,83	BUTYL BUTYRATE	0,12
20	11,52	<b>cis-beta-OCIMENE</b>	<b>4,55</b>
21	11,83	trans-ARBUSCULON	0,01
22	11,99	gamma-TERPINENE	0,20
23	12,21	<b>trans-beta-OCIMENE</b>	<b>2,82</b>
24	12,37	<b>3-OCTANONE</b>	<b>1,68</b>
25	12,86	m-CYMENE	0,04
26	13,01	HEXYL ACETATE	0,23
27	13,04	p-CYMENE	0,67
28	13,29	ISOTERPINOLENE	0,01
29	13,54	TERPINOLENE	0,14
30	16,05	3-OCTANOL ACETATE	0,12

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (GREECE) - 11332

Peak	RT (min)	Compound name	%
31	16,19	HEXYL PROPIONATE	0,04
32	16,37	HEXYL METHYLPROPIONATE	0,07
33	16,69	1-HEXANOL	0,12
34	17,94	ALLO-OCIMENE	0,10
35	18,18	1-OCTEN-3-YL ACETATE	0,74
36	18,27	3-HEXEN-1-OL	0,03
37	18,93	3-OCTANOL	0,31
38	19,05	GALBANOLENE	0,10
39	19,32	ANISALDEHYDE, TRIMETHYL-	0,02
40	19,75	UNDECATRIENE ISOMER	0,01
41	20,12	BUTYL CAPROATE	0,04
42	20,28	HEXYL BUTYRATE	0,45
43	20,95	HEXYL 2-METHYLBUTYRATE	0,04
44	21,60	LINALOOL cis-OXIDE	0,18
45	22,04	1-OCTEN-3-OL	0,32
46	22,30	ACETIC ACID	0,01
47	23,01	trans-THUYANOL	0,05
48	23,31	LINALOOL trans-OXIDE	0,14
49	23,82	OCTYL ACETATE	0,01
50	24,99	alpha-COPAENE	0,01
51	25,94	<b>CAMPHOR</b>	<b>0,45</b>
52	26,52	beta-BOURBONENE	0,03
53	27,57	BERGAMOTENE ISOMER	0,10
54	28,20	<b>LINALOOL</b>	<b>34,07</b>
55	28,72	<b>LINALYL ACETATE</b>	<b>25,17</b>
56	28,79	BERGAMOTENE ISOMER	0,05
57	29,15	alpha-cis-BERGAMOTENE	0,04
58	29,30	alpha-SANTALENE	0,41
59	29,36	epsilon-CADINENE	0,03
60	29,54	BORNYL ACETATE	0,12

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (GREECE) - 11332

Peak	RT (min)	Compound name	%
61	29,90	alpha-trans-BERGAMOTENE	0,11
62	30,16	beta-ELEMENE	0,01
63	30,37	<b>beta-CARYOPHYLLENE</b>	<b>3,23</b>
64	30,55	<b>TERPINENE-4-OL</b>	<b>3,68</b>
65	30,65	TERPENIC ESTER	0,07
66	30,84	<b>LAVANDULYL ACETATE</b>	<b>3,20</b>
67	31,05	HEXYL CAPROATE	0,13
68	31,36	HEXYL TIGLATE	0,03
69	31,45	AROMADENDRENE	0,06
70	31,58	MYRTENAL	0,02
71	31,92	beta-SANTALENE	0,02
72	32,16	GERMACRENE A	0,01
73	32,30	FARNESENE ISOMER	0,02
74	32,55	trans-PINOCARVEOL	0,03
75	32,67	FARNESENE ISOMER	0,03
76	32,96	FARNESENE ISOMER	0,08
77	33,04	LACTONE LAVANDE	0,01
78	33,28	<b>E-beta-FARNESENE</b>	<b>4,28</b>
79	33,46	<b>LAVANDULOL</b>	<b>1,19</b>
80	33,53	cis-4,5-MUROLADIENE	0,04
81	33,62	LAVANDULYL ISOBUTYRATE	0,02
82	33,84	NERAL	0,03
83	33,85	Z-beta-FARNESENE	0,04
84	34,23	<b>alpha-TERPINEOL</b>	<b>1,46</b>
85	34,28	BORNEOL	0,60
86	34,50	VERBENONE	0,01
87	34,72	GERMACRENE D	0,43
88	34,90	MENTHADIENOL ISOMER	0,02
89	35,11	PIPERITONE	0,03
90	35,23	NERYL ACETATE	0,38

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (GREECE) - 11332

Peak	RT (min)	Compound name	%
91	35,32	beta-BISABOLENE	0,05
92	35,47	CARVONE	0,05
93	35,54	BICYCLOGERMACRENE	0,03
94	35,77	trans-PIPERITOL	0,01
95	35,80	beta-CURCUMENE	0,01
96	36,04	E,E-alpha-FARNESENE	0,04
97	36,21	GERANYL ACETATE	0,55
98	36,30	LINALOOL PYRANOID trans-OXIDE	0,04
99	36,32	delta-CADINENE	0,02
101	36,71	CADINA-1,4-DIENE	0,01
102	36,76	alpha-CURCUMENE	0,01
103	36,95	CUMINAL	0,11
104	37,35	MYRTENOL	0,02
105	37,46	NEROL	0,23
106	37,73	cis-EPOXYLINALYL ACETATE	0,02
107	37,90	trans-EPOXYLINALYL ACETATE	0,01
108	38,10	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0,02
109	38,48	trans-CARVEOL	0,02
110	38,68	m-CYMENE-8-OL	0,07
111	38,79	GERANIOL	0,51
112	38,80	p-CYMENE-8-OL	0,07
113	39,31	AROMATIC COMPOUND	0,01
114	41,09	HUMULENE EPOXIDE	0,02
115	41,31	TERPENIC ESTER	0,01
116	41,72	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0,01
117	42,43	ISOCARYOPHYLLENE EPOXIDE	0,02
118	42,67	CARYOPHYLLENE EPOXIDE	0,26
119	43,04	alpha-PHOTOSANTALOL A	0,04
120	43,68	NEROLIDOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (GREECE) - 11332

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	0,08
125	47,58	alpha-BISABOLOL	0,01
126	52,49	COUMARIN	0,05
		<b>TOTAL</b>	<b>99,96</b>

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