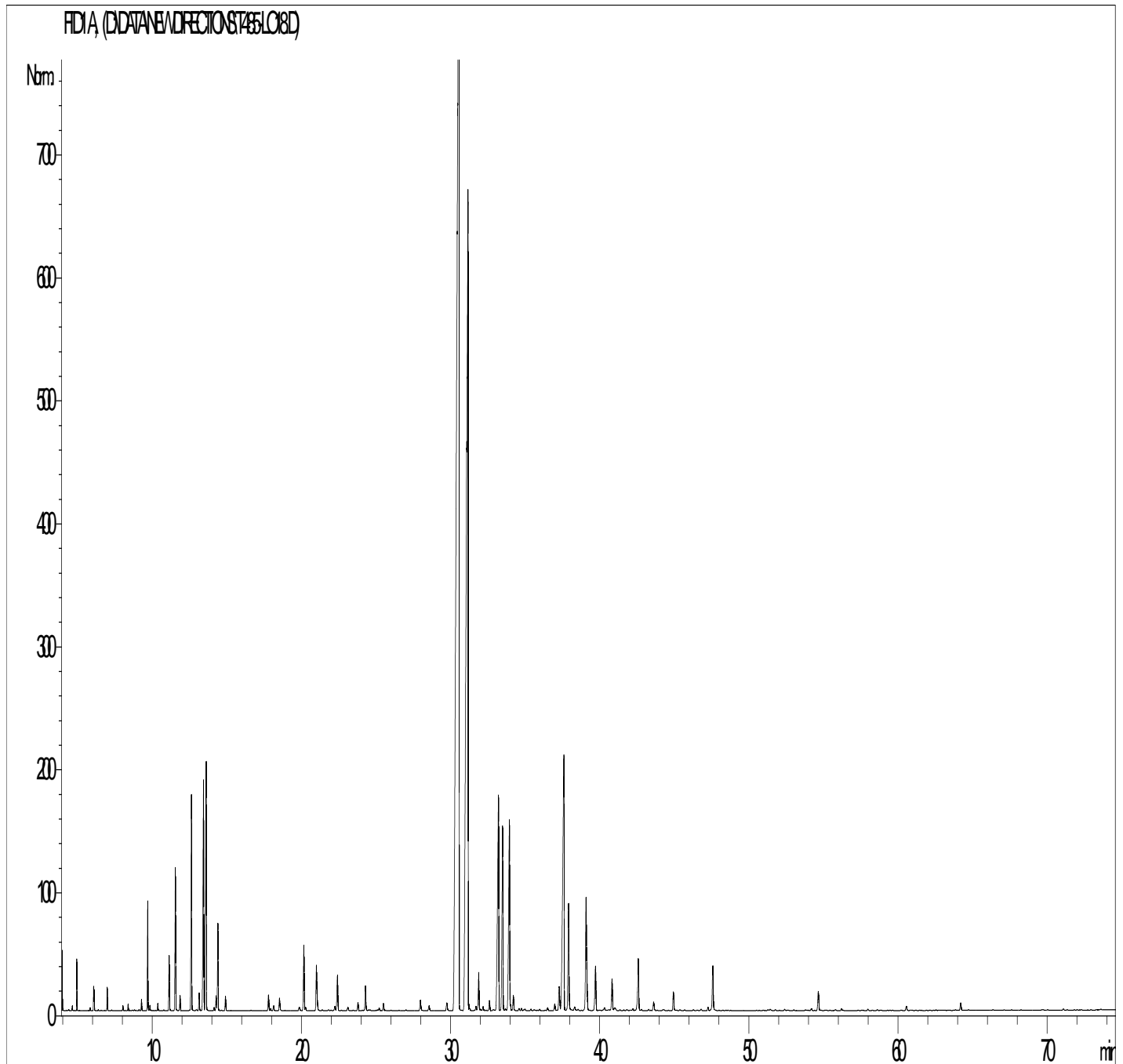




GCMS ANALYSIS

PRODUCT NAME: LAVENDER ORGANIC ESSENTIAL OIL - FAIR TRADE - 58100

DATE: October 10, 2018



*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 ORGANIC ESSENTIAL OIL - FAIR TRADE - 58100**

Peak	RT (min)	Compound name	%
1	4,0	ACETONE	0,22
2	4,6	ISOVALERALDEHYDE	0,02
3	4,9	HEXANE, 1-METHOXY	0,22
4	5,8	TRICYCLENE	0,02
5	6,1	alpha-PINENE	0,13
6	6,2	alpha-THUYENE	0,11
7	7,0	BUTYL ACETATE + CAMPHENE	0,16
8	8,0	beta-PINENE	0,04
9	8,4	SABINENE	0,05
10	9,3	delta3-CARENE	0,09
11	9,7	beta-MYRCENE	0,84
12	9,8	alpha-PHELLANDRENE	0,04
13	10,4	alpha-TERPINENE	0,06
14	11,1	<b>LIMONENE</b>	<b>0,48</b>
15	11,6	<b>1,8-CINEOLE</b>	<b>1,34</b>
16		<b>beta-PHELLANDRENE</b>	
17	11,9	BUTYL BUTYRATE	0,13
18	12,6	<b>Cis-beta-OCIMENE</b>	<b>2,08</b>
19	13,1	gamma-TERPINENE	0,17
20	13,4	<b>Trans-beta-OCIMENE</b>	<b>2,63</b>
21	13,6	<b>3-OCTANONE</b>	<b>2,57</b>
22	14,2	m-CYMENE	0,03
23	14,3	p-CYMENE	0,14
24	14,4	HEXYL ACETATE	0,83
25	14,9	TERPINOLENE	0,14
26	17,8	1-ETHYLHEXYL ACETATE	0,18
27	17,9	HEXYL PROPIONATE	0,03
28	18,1	HEXYL METHYLPROPIONATE	0,06
29	18,5	1-HEXANOL	0,15
30	19,9	ALLO-OCIMENE	0,05

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: LAVENDER ORGANIC ESSENTIAL OIL - FAIR TRADE - 58100**

Peak	RT (min)	Compound name	%
31	20,2	OCT-1-EN-3-YL ACETATE	0,75
32	20,3	3-HEXEN-1-OL	0,04
33	21,0	3-OCTANOL + GALBANOLENE	0,63
34	21,4	ANISALDEHYD TRIMETHYL-	0,01
35	21,8	UNDECATRIENE ISOMER	0,01
36	22,2	BUTYL CAPROATE	0,06
37	22,4	HEXYL BUTYRATE	0,47
38	23,1	ISOBUTYL 2-METHYLBUTYRATE	0,05
39	23,8	LINALOOL Cis-OXIDE	0,10
40	24,3	1-OCTEN-3-OL	0,29
41	25,2	ALIPHATIC ESTER	0,03
42	25,5	LINALOOL Trans-OXIDE	0,09
43	27,0	alpha-COPAENE	0,01
44	28,0	<b>CAMPHOR</b>	<b>0,15</b>
45	28,6	beta-BOURBONENE	0,07
46	29,7	BERGAMOTENE ISOMER	0,12
47	30,6	<b>LINALOOL</b>	<b>39,46</b>
48	31,2	<b>LINALYL ACETATE</b>	<b>21,57</b>
49	31,3	BERGAMOTENE ISOMER	0,04
50	31,7	alpha-cis-BERGAMOTENE	0,05
51	31,9	alpha-SANTALENE	0,43
52	32,0	epsilon-CADINENE	0,02
53	32,2	BORNYL ACETATE	0,05
54	32,6	alpha-trans-BERGAMOTENE	0,12
55	33,2	<b>beta-CARYOPHYLLENE</b>	<b>3,81</b>
56	33,5	<b>TERPINENE-4-OL</b>	<b>2,47</b>
57	33,7	TERPENIC COMPOUND	0,03
58	33,9	<b>LAVANDULYL ACETATE</b>	<b>2,90</b>
59	34,0	HOTRIENOL	0,05
60	34,2	HEXYL CAPROATE	0,19

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: LAVENDER ORGANIC ESSENTIAL OIL - FAIR TRADE - 58100**

Peak	RT (min)	Compound name	%
61	34,6	SESQUITERPENE	0,03
62	34,8	HEXYL TIGLATE	0,03
63	35,0	MYRTENAL	0,01
64	35,1	Cis-p-MENTH-2-EN-1-OL	0,02
65	35,4	beta-SANTALENE	0,02
66	35,6	GERMACRENE A	0,01
67	36,0	FARNESENE ISOMER	0,02
68	36,5	FARNESENE ISOMER	0,04
69	37,0	FARNESENE ISOMER	0,08
70	37,3	CRYPTONE + alpha-HUMULENE	0,36
71	37,6	<b>E-beta-FARNESENE</b>	<b>5,09</b>
72	37,9	<b>LAVANDULOL</b>	<b>1,43</b>
73	38,3	Z-beta-FARNESENE	0,05
74	39,0	TERPENYL ACETATE	0,01
75	39,1	<b>alpha-TERPINEOL</b>	<b>1,46</b>
76	39,2	BORNEOL	0,35
77	39,7	GERMACRENE D	0,66
78	40,3	PELLANDRAL	0,04
79	40,6	PIPERITONE	0,02
80	40,8	NERYL ACETATE	0,42
81	41,0	BICYCLOGERMACRENE	0,07
82	41,4	MENTHADIENOL ISOMER	0,01
83	41,6	LINALOOL PYRANIC Cis-OXIDE	0,01
84	41,8	Trans-PIPERITOL	0,02
85	42,0	alpha-FARNESENE	0,01
86	42,2	gamma-CADINENE	0,03
87	42,6	GERANYL ACETATE	0,77
88	42,8	LINALOOL PYRANIC OXIDE	0,02
89	43,3	METHYLACETOPHENONE	0,01
90	43,6	CUMINAL	0,12

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: LAVENDER ORGANIC ESSENTIAL OIL - FAIR TRADE - 58100**

Peak	RT (min)	Compound name	%
91	44,2	PERILLALDEHYDE	0,01
92	44,3	CAMPHOLENOL	0,01
93	44,9	NEROL	0,25
94	46,2	CALAMENENE	0,01
95	46,8	Trans-CARVEOL	0,02
96	47,3	m-CYMENE-8-OL	0,04
97	47,4	p-CYMENE-8-OL	0,01
98	47,6	GERANIOL	0,65
99	51,3	ALIPHATIC ESTER	0,01
100	51,4	HUMULENE EPOXIDE	0,02
101	51,8	ALIPHATIC ESTER	0,01
102	52,4	ALIPHATIC ALCOHOL	0,02
103	53,0	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0,01
104	53,8	HEXENYLIC ESTER	0,01
105	54,2	ALIPHATIC ESTER	0,03
106	54,7	CARYOPHYLLENE EPOXIDE	0,28
107	56,2	alpha-PHOTOSANTALOL A	0,03
108	58,0	SESQUITERPENIC EPOXIDE	0,02
109	60,6	CUMINOL	0,06
110	64,2	T-CADINOL	0,11
111	71,1	FARNESOL	0,02
112	76,7	COUMARIN Mw=146	0,06
		<b>TOTAL</b>	<b>99,99</b>

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