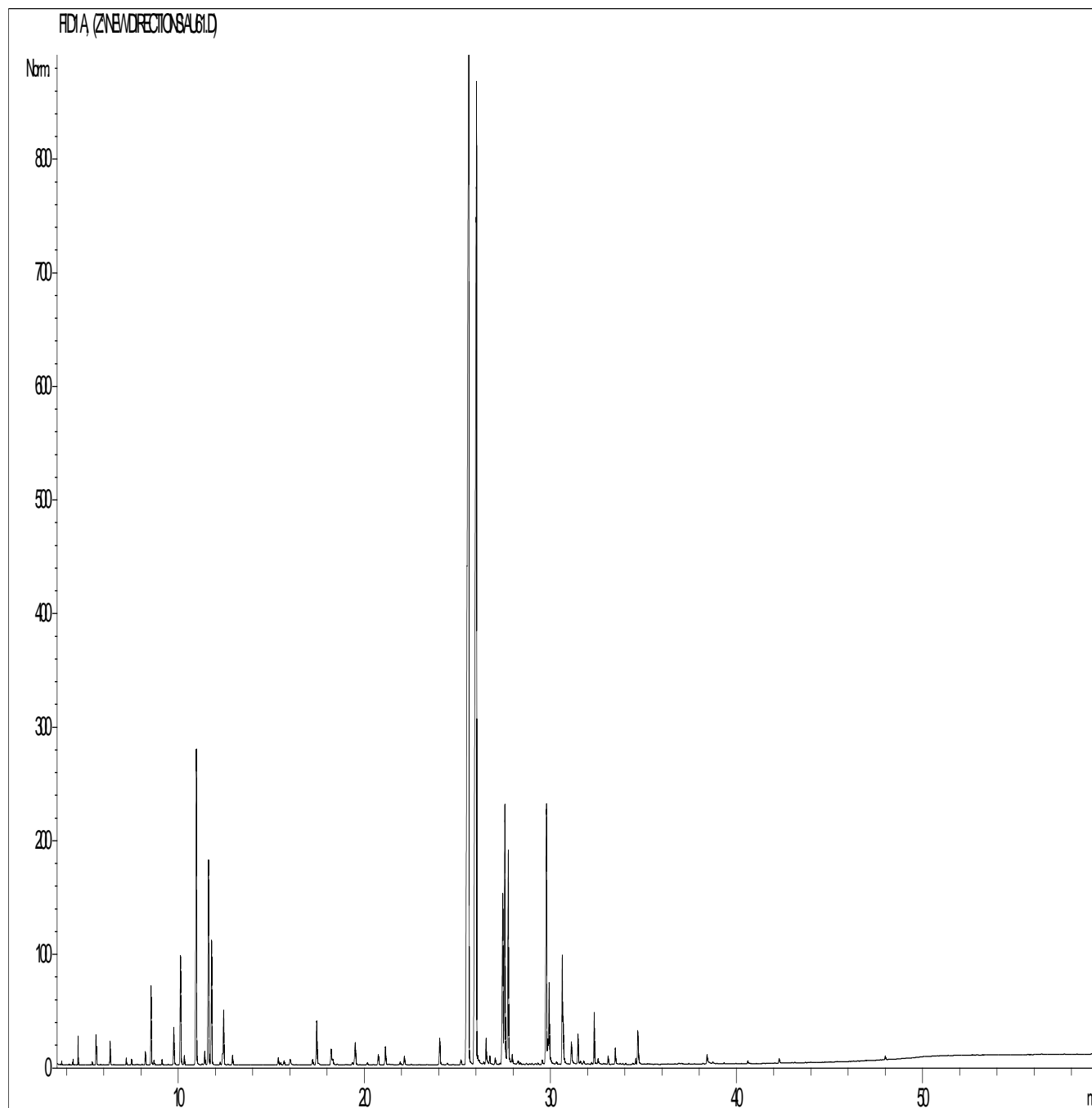


GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (SOUTH AFRICA) - 11333

DATE: January 28, 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 (SOUTH AFRICA) - 11333

Peak	RT (min)	Compound name	%
1	3,73	ACETONE	0,03
2	4,31	2-METHYL BUTANAL	0,01
3	4,34	ISOVALERALDEHYDE	0,04
4	4,61	HEXANE, 1-METHOXY	0,17
5	5,37	TRICYCLEN	0,02
6	5,57	alpha-PINENE	0,23
7	5,60	alpha-THUYENE	0,13
8	6,31	BUTYL ACETATE	0,02
9	6,33	CAMPHENE	0,21
10	7,20	beta-PINENE	0,07
11	7,48	SABINENE	0,06
12	8,22	delta3-CARENE	0,15
13	8,53	beta-MYRCENE	0,86
14	8,69	alpha-PHELLANDRENE	0,06
15	9,12	alpha-TERPINENE	0,06
16	9,45	2,3-DEHYDRO-1,8-CINEOLE	0,01
17	9,75	LIMONENE	0,49
18	10,12	1,8-CINEOLE	1,54
19		beta-PHELLANDRENE	
20	10,32	BUTYL BUTYRATE	0,12
21	10,97	Cis-beta-OCIMENE	4,59
22	11,27	ARBUSCULON ISOMER	0,02
23	11,42	gamma-TERPINENE	0,20
24	11,63	Trans-beta-OCIMENE	2,86
25	11,79	3-OCTANONE	1,66
26	12,25	m-CYMENE	0,04
27	12,38	p-CYMENE	0,11
28	12,44	HEXYL ACETATE	0,77
29	12,67	ISOTERPINOLENE	0,02
30	12,92	TERPINOLENE	0,14

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (SOUTH AFRICA) - 11333

Peak	RT (min)	Compound name	%
31	15,38	1-ETHYLHEXYL ACETATE	0,13
32	15,51	HEXYL PROPIONATE	0,04
33	15,69	HEXYL METHYLPROPIONATE	0,08
34	16,02	1-HEXANOL	0,12
35	17,22	ALLO-OCIMENE	0,11
36	17,44	OCT-1-EN-3-YL ACETATE	0,74
37	17,54	3-HEXEN-1-OL	0,04
38	18,21	3-OCTANOL	0,28
39	18,29	GALBANOLENE	0,13
40	18,54	ANISALDEHYDE TRIMETHYL	0,02
41	19,00	UNDECATRIENE ISOMER	0,02
42	19,35	BUTYL CAPROATE	0,05
43	19,51	HEXYL BUTYRATE	0,45
44	20,15	ISOBUTYL 2-METHYLBUTYRATE	0,05
45	20,48	alpha,p-DIMETHYLSTYRENE	0,02
46	20,75	LINALOOL Cis-OXIDE	0,17
47	21,12	1-OCTEN-3-OL	0,32
48	21,32	ACETIC ACID	0,03
49	21,47	CAMPHENILONE	0,02
50	21,92	Trans-THUYANOL	0,06
51	22,15	LINALOOL Trans-OXIDE	0,13
52	22,52	OCTYL ACETATE	0,01
53	23,36	alpha-COPAENE	0,02
54	24,05	CAMPHOR	0,45
55	24,45	beta-BOURBONENE	0,04
56	25,18	BERGAMOTENE ISOMER	0,09
57	25,62	LINALOOL	33,83
58	26,02	LINALYL ACETATE	24,88
59	26,10	BERGAMOTENE ISOMER	0,12
60	26,16	SESQUITERPENE	0,14

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (SOUTH AFRICA) - 11333

Peak	RT (min)	Compound name	%
61	26,41	alpha-cis-BERGAMOTENE	0,05
62	26,54	alpha-SANTALENE	0,36
63	26,58	epsilon-CADINENE	0,08
64	26,74	BORNYL ACETATE	0,16
65	27,03	alpha-trans-BERGAMOTENE	0,12
66	27,18	beta-ELEMENE	0,01
67	27,29	beta-CUBEBENE	0,02
68	27,43	beta-CARYOPHYLLENE	2,84
69	27,55	TERPINENE-4-OL	3,86
70	27,73	LAVANDULYL ACETATE	3,33
71	27,95	HEXYL CAPROATE	0,22
72	28,25	HEXYL TIGLATE	0,05
73	28,26	Cis-p-MENTH-2-EN-1-OL	0,05
74	28,38	MYRTENAL	0,04
75	28,54	SABINACETONE	0,02
76	28,70	beta-SANTALENE	0,03
77	28,87	CADINA-3,5-DIENE	0,02
78	29,00	FARNESENE ISOMER	0,03
79	29,19	trans-PINOCARVEOL	0,03
80	29,33	FARNESENE ISOMER	0,03
81	29,55	FARNESENE ISOMER	0,08
82	29,78	E-beta-FARNESENE	3,89
83	29,86	alpha-HUMULENE	0,34
84	29,93	LAVANDULOL	1,23
85	30,02	cis-4,5-MUROLADIENE	0,07
86	30,12	LAVANDULYL ISOBUTYRATE	0,04
87	30,32	Z-beta-FARNESENE	0,07
88	30,64	alpha-TERPINEOL	1,40
89	30,68	BORNEOL	0,65
90	31,12	GERMACRENE D	0,35

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (SOUTH AFRICA) - 11333

Peak	RT (min)	Compound name	%
91	31,18	PHELLANDRAL	0,06
92	31,26	PIPERITONE	0,03
93	31,48	NERYL ACETATE	0,41
94	31,61	beta-BISABOLENE	0,06
95	31,78	CARVONE	0,08
96	32,01	BICYCLOGERMACRENE	0,03
97	32,21	alpha-FARNESENE	0,03
98	32,35	GERANYL ACETATE	0,60
99	32,44	delta-CADINENE	0,03
100	32,55	gamma-CADINENE	0,13
101	32,85	beta-SESQUIPELLANDRENE	0,03
102	32,94	alpha-CURCUMENE	0,01
103	33,09	CUMINAL	0,12
104	33,48	NEROL	0,26
105	33,74	ACETATE DE cis-époxy-LINALYLE	0,02
106	33,89	ACETATE DE trans-époxy-LINALYLE	0,02
107	34,05	E,E-DIMETHYL-3,5,7-OCTATRIENE-2-OL	0,02
108	34,42	Trans-CARVEOL	0,02
109	34,58	m-CYMENE-8-OL	0,07
110	34,69	GERANIOL	0,47
111	34,73	p-CYMENE-8-OL	0,11
112	36,68	ALIPHATIC ESTER	0,01
113	36,92	HUMULENE EPOXIDE	0,03
114	37,06	DENDROLASIN	0,03
115	37,43	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,01
116	38,19	ISOCARYOPHYLLENE EPOXIDE	0,02
117	38,41	CARYOPHYLLENE EPOXIDE	0,22
118	38,73	alpha-PHOTOSANTALOL A	0,05
119	39,32	NEROLIDOL	0,01
120	40,61	CUMINOL	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (SOUTH AFRICA) - 11333

Peak	RT (min)	Compound name	%
121	42,29	T-CADINOL	0,07
122	47,99	COUMARIN Mw=146	0,05
		TOTAL	99,91

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