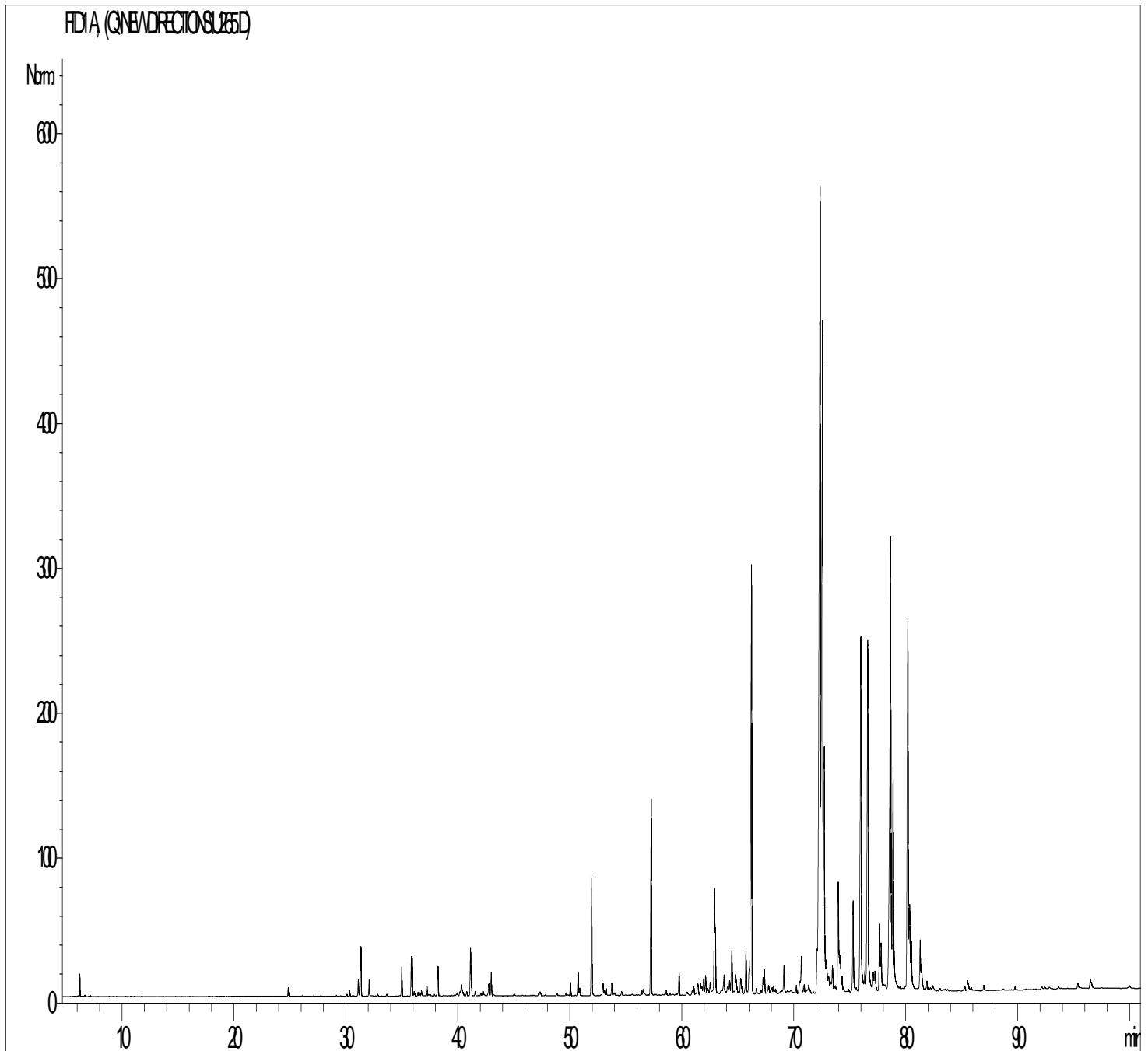




GCMS ANALYSIS

PRODUCT NAME: SANDALWOOD ORGANIC ESSENTIAL OIL - 50033

DATE: November 20, 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: SANDALWOOD ORGANIC ESSENTIAL OIL - 50033

Peak	RT (min)	Component name	%
1	6,2	SANTENE	0,11
2	24,8	FURFURALDEHYDE	0,09
3	27,8	SESQUITERPENE	0,01
4	29,1	TERPENIC ESTER	0,02
5	29,5	BERGAMOTENE ISOMER	0,02
6	30,0	CEDRENE ISOMER	0,02
7	30,3	BERGAMOTENE ISOMER	0,06
8	31,1	alpha-CEDRENE	0,18
9	31,2	alpha-cis-BERGAMOTENE	0,03
10	31,3	alpha-SANTALENE	0,54
11	32,0	alpha-trans-BERGAMOTENE	0,18
12	32,8	beta-CEDRENE	0,02
13	33,6	SESQUITERPENE	0,03
14	34,9	Épi-beta-SANTALENE	0,33
15	35,8	beta-SANTALENE	0,45
16	36,0	FARNESENE ISOMER	0,06
17	36,4	AROMATIC COMPOUND	0,04
18	36,5	SESQUITERPENE	0,05
19	36,7	SESQUITERPENE	0,06
20	37,2	CURCUMENE ISOMER	0,12
21	37,5	FARNESENE ISOMER	0,03
22	37,8	AROMATIC COMPOUND + SESQUITERPENE	0,03
23	38,2	gamma-CURCUMENE	0,34
24	39,9	SESQUITERPENE	0,06
25	40,1	SESQUITERPENE	0,06
26	40,3	beta-BISABOLENE	0,15
27	40,4	TERPENIC ESTER	0,06
28	40,5	SESQUITERPENE	0,04
29	40,7	SESQUITERPENE	0,05
30	41,1	beta-CURCUMENE	0,60

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: SANDALWOOD ORGANIC ESSENTIAL OIL - 50033

Peak	RT (min)	Component name	%
31	41,2	SESQUITERPENE	0,10
32	41,5	SESQUITERPENE	0,05
33	42,0	BERGAMOTENE ISOMER	0,03
34	42,2	SESQUITERPENE	0,09
35	42,7	alpha-BISABOLENE	0,15
36	42,9	alpha-CURCUMENE	0,27
37	45,0	SESQUITERPENIC EPOXIDE	0,03
38	47,1	SESQUITERPENE Mw=202	0,03
39	47,3	SESQUITERPENIC EPOXIDE	0,05
40	47,4	DIMETHYL UNDECADIENONE ISOMER	0,02
41	48,8	SANTALOL ISOMER	0,04
42	49,6	AROMATIC COMPOUND	0,04
43	50,0	ALIPHATIC ESTER	0,17
44	50,7	AROMATIC COMPOUND	0,30
45	50,8	AROMATIC COMPOUND	0,09
46	51,9	DENDROLASINE	1,40
47	52,9	SESQUITERPENE	0,17
48	53,0	SESQUITERPENE	0,06
49	53,2	SESQUITERPENE	0,09
50	53,7	COMPOUND Mw=152	0,14
51	53,9	AROMATIC COMPOUND	0,04
52	54,6	SESQUITERPENE	0,05
53	56,3	COMPOUND Mw=150	0,05
54	56,5	SESQUITERPENE	0,09
55	57,3	NEROLIDOL	2,38
56	58,6	SESQUITERPENOL	0,06
57	59,7	GUAIOL	0,28
58	61,0	AROMATIC COMPOUND	0,11
59	61,4	SESQUITERPENIC EPOXIDE	0,18
60	61,6	AROMATIC COMPOUND	0,16

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: SANDALWOOD ORGANIC ESSENTIAL OIL - 50033

Peak	RT (min)	Component name	%
61	61,7	AROMATIC COMPOUND	0,10
62	61,9	SESQUITERPENOL	0,22
63	62,1	SESQUITERPENOL	0,25
64	62,5	SANTALOL ISOMER	0,20
65	62,8	epi-beta-BISABOLOL	1,60
66	62,9	beta-BISABOLOL	0,48
67	63,7	alpha-SANTALAL	0,32
68	64,0	SESQUITERPENOL	0,12
69	64,2	SESQUITERPENOL	0,20
70	64,4	alpha-SANTALYL ACETATE	0,71
71	64,8	SESQUITERPENOL	0,40
72	65,2	SESQUITERPENOL	0,30
73	65,7	BULNESOL	0,61
74	65,9	alpha-BISABOLOL	0,41
75	66,2	Epi-alpha-BISABOLOL	6,79
76	67,2	SESQUITERPENOL	0,22
77	67,3	FARNESYL ACETATE	0,33
78	69,1	COMPOUND Mw=222	0,34
79	70,5	BERGAMOTOL ISOMER	0,24
80	70,6	SESQUITERPENOL	0,51
81	70,9	SESQUITERPENOL	0,14
82	72,0	SESQUITERPENIC EPOXIDE	0,64
83	72,3	Z-alpha-SANTALOL	16,18
84	72,5	Z-alpha-trans-BERGAMOTOL	12,09
85	72,7	FARNESOL	3,91
86	72,9	SESQUITERPENOL	0,62
87	73,1	SESQUITERPENOL	0,33
88	73,4	SESQUITERPENOL	0,43
89	73,9	SESQUITERPENOL	2,07
90	74,1	CURCUMENOL ISOMER	0,50

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: SANDALWOOD ORGANIC ESSENTIAL OIL - 50033

Peak	RT (min)	Component name	%
91	74,3	BERGAMOTOL ISOMER	0,24
92	75,3	Epi-beta-SANTALOL	1,31
93	75,9	Z-beta-SANTALOL	5,72
94	76,4	SANTALOL ISOMER	0,35
95	76,5	Z-gamma-CURCUMENE-12-OL	5,80
96	77,0	BERGAMOTOL ISOMER	0,28
97	77,2	SANTALOL ISOMER	0,41
98	77,6	BERGAMOTOL ISOMER	0,90
99	77,7	SANTALOL ISOMER	0,65
100	78,5	BERGAMOTOL ISOMER	1,80
101	78,6	E-beta-CURCUMENE-12-OL	7,00
102	78,8	LANCEOL	3,83
103	80,1	NUCIFEROL Mw=218	5,99
104	80,3	SESQUITERPENOL	1,33
105	80,5	SANTALOL ISOMER	0,80
106	81,2	AROMATIC SESQUITERPENOL	0,67
107	81,4	BERGAMOTOL ISOMER	0,39
108	81,8	AROMATIC COMPOUND	0,12
109	85,5	AROMATIC COMPOUND	0,18
110	86,9	SESQUITERPENOL	0,09
111	95,3	PALMITIC ACID	0,08
112	96,5	SESQUITERPENIC EPOXIDE	0,23
		TOTAL	99,99

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