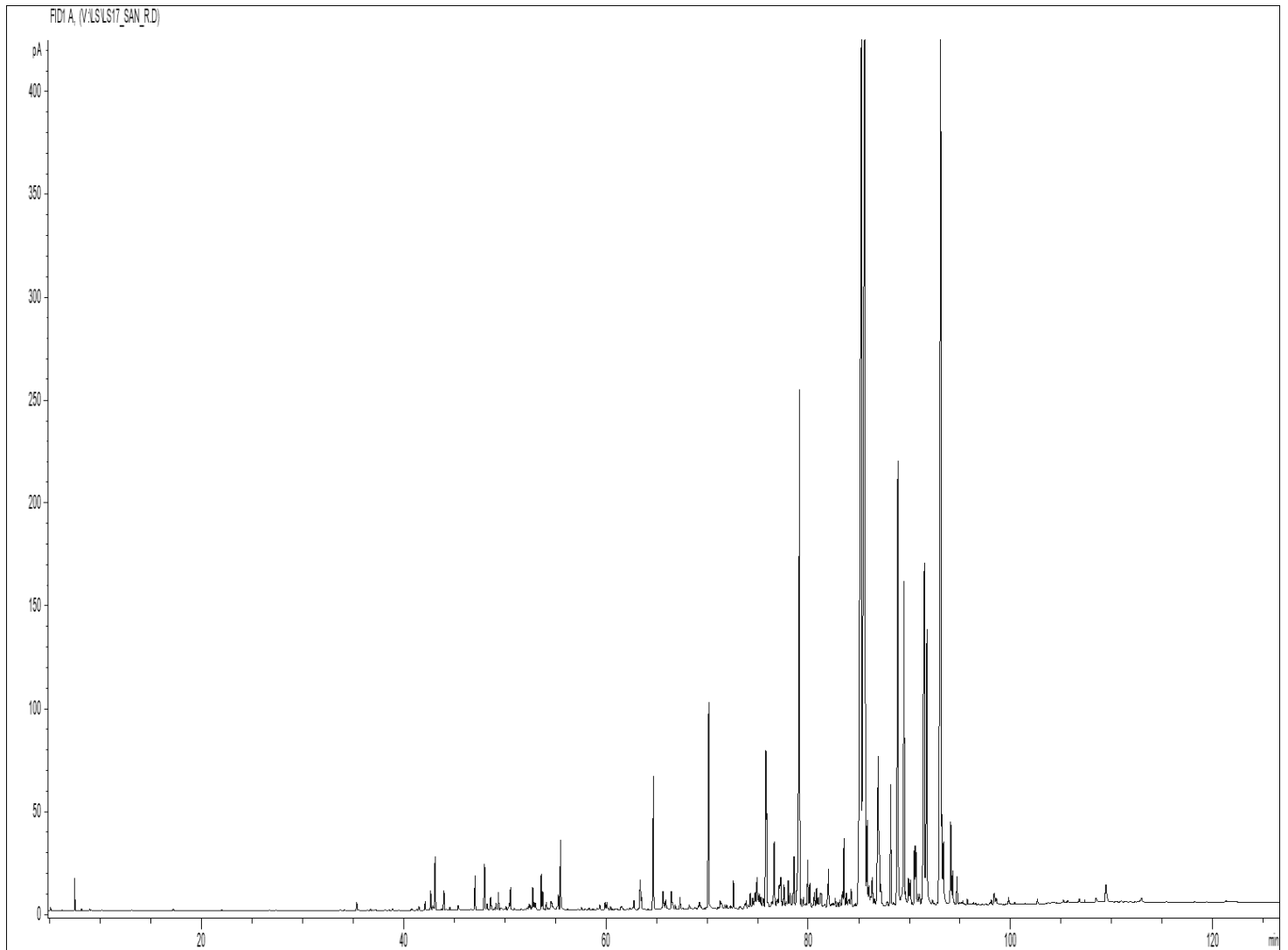


GCMS ANALYSIS

PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

DATE: May 16, 2024



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 ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
1	7,46	SANTENE	0,15
2	35,33	FURFURAL	0,06
3	42,09	BERGAMOTENE ISOMER	0,07
4	42,64	alpha-CEDRENE	0,17
5	42,85	alpha-cis-BERGAMOTENE	0,05
6	43,09	alpha-SANTALENE	0,43
7	43,94	alpha-trans-BERGAMOTENE	0,15
8	45,36	SESQUITERPENE	0,05
9	47,03	Epi-beta-SANTALENE	0,27
10	47,97	beta-SANTALENE	0,38
11	48,22	FARNESENE ISOMER	0,06
12	48,58	FARNESENE ISOMER	0,14
13	49,08	E-beta-FARNESENE	0,05
14	49,34	CURCUMENE ISOMER	0,15
15	50,41	CURCUMENE ISOMER	0,07
16	50,54	gamma-CURCUMENE	0,18
17	52,37	alpha-ZINGIBERENE	0,04
18	52,48	SESQUITERPENE	0,05
19	52,74	beta-BISABOLENE	0,20
20	52,89	SESQUITERPENE	0,07
21	53,02	SESQUITERPENE	0,05
22	53,57	beta-CURCUMENE	0,29
23	53,72	SESQUICINEOLE	0,15
24	54,09	E,E-alpha-FARNESENE	0,06
25	54,56	BERGAMOTENE ISOMER	0,18
26	55,28	beta-SESQUIPELLANDRENE	0,12
27	55,49	alpha-CURCUMENE	0,56
28	55,50	trans-alpha-BISABOLENE	0,05
29	59,37	SESQUITERPENIC COMPOUND	0,04
30	59,90	8,14-CEDRANOXIDE	0,07

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
31	60,07	E-GERANYL ACETONE	0,07
32	61,56	SESQUITERPENIC COMPOUND	0,04
33	62,75	AROMATIC COMPOUND	0,10
34	63,37	AROMATIC COMPOUND	0,28
35	63,49	AROMATIC COMPOUND	0,11
36	64,67	DENDROLASIN	1,19
37	65,63	SESQUITERPENONE	0,19
38	65,75	AROMATIC COMPOUND	0,05
39	65,90	SESQUITERPENIC OXIDE	0,10
40	66,45	SESQUITERPENIC OXIDE	0,17
41	66,55	AROMATIC COMPOUND	0,08
42	66,83	SESQUITERPENIC COMPOUND	0,04
43	67,32	SESQUITERPENIC COMPOUND	0,11
44	68,22	SESQUITERPENIC COMPOUND	0,05
45	69,25	SESQUITERPENIC COMPOUND	0,09
46	70,14	NEROLIDOL	1,87
47	71,28	SESQUITERPENIC COMPOUND	0,11
48	71,42	SESQUITERPENIC OXIDE	0,07
49	71,76	AROMATIC COMPOUND	0,05
50	71,92	SESQUITERPENOL	0,05
51	72,26	SESQUITERPENOL	0,05
52	72,59	GUAIOL	0,24
53	73,73	SESQUITERPENIC OXIDE	0,06
54	73,87	BISABOLOL ISOMER	0,09
55	74,03	AROMATIC COMPOUND	0,06
56	74,26	AROMATIC COMPOUND	0,17
57	74,49	SESQUITERPENOL	0,13
58	74,75	AROMATIC COMPOUND	0,24
59	74,93	SESQUITERPENIC COMPOUND	0,34
60	75,04	SESQUITERPENONE	0,10

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
61	75,17	BISABOLOL A OXIDE	0,15
62	75,31	alpha-BISABOLOL B OXIDE	0,12
63	75,54	SESQUITERPENIC COMPOUND	0,16
64	75,81	Epi-beta-BISABOLOL	1,68
65	75,88	beta-BISABOLOL	0,53
66	76,00	SESQUITERPENIC COMPOUND	0,07
67	76,40	SESQUITERPENIC COMPOUND	0,14
68	76,63	alpha-SANTALAL	0,72
69	76,87	gamma-EUDESOL	0,07
70	76,96	SESQUITERPENONE	0,09
71	77,11	SESQUITERPENIC COMPOUND	0,24
72	77,29	SESQUITERPENIC COMPOUND	0,48
73	77,58	COMPOUND Mw=216	0,32
74	77,79	SESQUITERPENIC COMPOUND	0,10
75	78,01	SESQUITERPENIC COMPOUND	0,29
76	78,22	SESQUITERPENIC OXIDE	0,26
77	78,58	BULNESOL	0,60
78	79,12	alpha-BISABOLOL	0,33
79	79,13	Epi-alpha-BISABOLOL	6,34
80	79,52	beta-EUDESOL	0,15
81	79,78	AROMATIC COMPOUND	0,07
82	79,94	SESQUITERPENIC OXIDE	0,47
83	80,17	AROMATIC COMPOUND	0,28
84	80,60	SESQUITERPENOL	0,21
85	80,81	SESQUITERPENIC COMPOUND	0,20
86	80,97	SESQUITERPENIC COMPOUND	0,11
87	81,22	FARNESYL ACETATE	0,16
88	81,29	SESQUITERPENIC OXIDE	0,13
89	81,66	AROMATIC COMPOUND	0,08
90	81,98	DIMETHYL METHYLPENTENYL NORBORNANOL	0,47

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
91	82,29	SESQUITERPENIC COMPOUND	0,05
92	82,46	SESQUITERPENIC COMPOUND	0,08
93	82,66	AROMATIC COMPOUND	0,11
94	82,92	AROMATIC COMPOUND	0,07
95	83,14	AROMATIC COMPOUND	0,10
96	83,38	SESQUITERPENOL	0,17
97	83,53	CURCUMENOL ISOMER	0,66
98	83,77	CURCUMENOL ISOMER	0,16
99	83,93	CURCUMENOL ISOMER	0,06
100	84,01	AROMATIC COMPOUND	0,09
101	84,24	BERGAMOTOL ISOMER	0,24
102	84,68	SESQUITERPENIC OXIDE	0,05
103	85,23	SESQUITERPENOL	0,57
104	85,24	Z-alpha-SANTALOL	14,18
105	85,55	E,E-FARNESOL	15,60
106		Z-alpha-trans-BERGAMOTOL	
107	85,82	BERGAMOTOL ISOMER	0,92
108	85,98	SESQUITERPENIC OXIDE	0,29
109	86,18	BERGAMOTOL ISOMER	0,11
110	86,32	SESQUITERPENIC OXIDE	0,34
111	86,55	SESQUITERPENIC COMPOUND	0,13
112	86,91	COMPOUND Mw=238	1,99
113		CURCUMENIC COMPOUND Mw=238	
114	86,92	SESQUITERPENIC COMPOUND	0,70
115	87,18	BERGAMOTOL ISOMER	0,28
116	87,76	SESQUITERPENIC OXIDE	0,05
117	88,15	Epi-beta-SANTALOL	1,18
118	88,42	SANTALOL ISOMER	0,08
119	88,86	Z-beta-SANTALOL	5,30
120	89,20	SANTALOL ISOMER	0,11

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GCMS ANALYSIS (cont'd,)
PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
121	89,48	BERGAMOTOL ISOMER	3,47
122	89,63	SESQUITERPENIC COMPOUND	0,18
123	89,93	CURCUMENOL ISOMER	0,31
124	90,12	BERGAMOTOL ISOMER	0,33
125	90,29	SANTALOL ISOMER	0,04
126	90,52	Z-gamma-CURCUMENE-12-OL	0,58
127	90,65	SANTALOL ISOMER	0,60
128	90,89	BERGAMOTOL ISOMER	0,14
129	91,04	SESQUITERPENOL	0,13
130	91,48	BERGAMOTOL ISOMER	1,13
131	91,49	E-beta-CURCUMENE-12-OL	3,65
132		SANTALOL ISOMER	
133	91,75	Z-LANCEOL	3,22
134	92,29	SANTALOL ISOMER	0,09
135	92,49	alpha-BISABOLOL A OXIDE	0,05
136	93,13	Z-NUCIFEROL	12,42
137	93,23	CURCUMENOL ISOMER	0,73
138	93,38	BERGAMOTOL ISOMER	0,78
139	94,11	SESQUITERPENIC OXIDE	0,92
140	94,30	SESQUITERPENIC OXIDE	0,40
141	94,73	SESQUITERPENONE	0,30
142	94,99	CURCUMENOL ISOMER	0,05
143	95,29	SESQUITERPENIC OXIDE	0,08
144	95,74	SESQUITERPENIC OXIDE	0,07
145	98,13	ALIPHATIC ESTER	0,05
146	98,40	SESQUITERPENIC OXIDE	0,16
147	98,61	SESQUITERPENIC OXIDE	0,11
148	99,83	AROMATIC COMPOUND	0,09
149	102,68	AROMATIC COMPOUND	0,05
150	105,26	AROMATIC COMPOUND	0,04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (AUSTRALIAN)

Peak	RT (min)	Component name	%
151	106,83	FARNESYL COMPOUND	0,05
152	108,49	PALMITIC ACID	0,06
153	109,45	SESQUITERPENIC OXIDE	0,28
154	112,97	SESQUITERPENIC OXIDE	0,07
		TOTAL	99,86

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