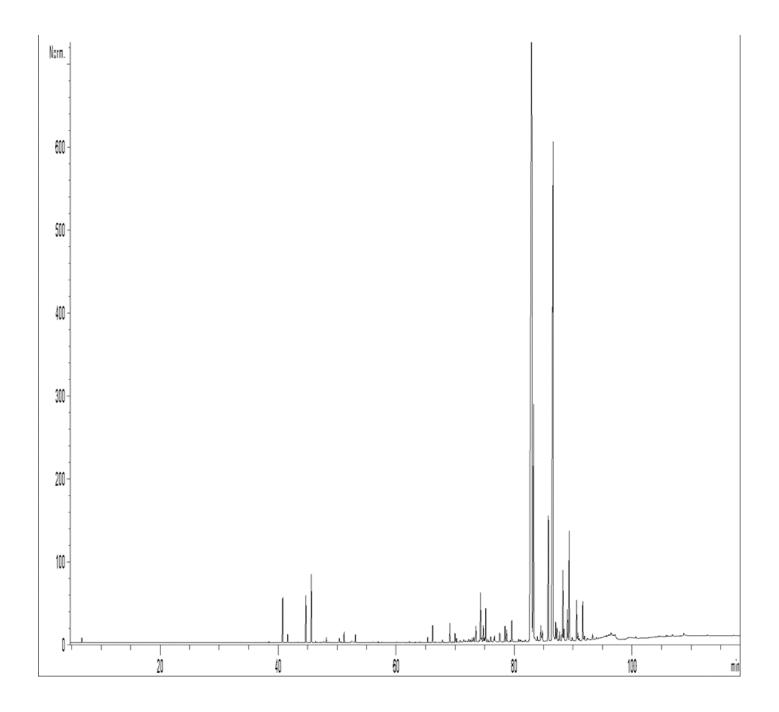


GCMS ANALYSIS

PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (EAST INDIAN) - 11130

DATE: February 17, 2021



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.



PRODUCT NAME: SANDALWOOD ESSENTIAL OIL (EAST INDIAN) - 11130

Peak	RT (min)	Compound name	%
1	4,73	ACETONE	0,01
2	6,75	SANTENE	0,05
3	7,32	TRICYCLENE	0,01
4	38,44	alpha-cis-BERGAMOTENE	0,02
5	40,34	alpha-CEDRENE	0,01
6	40,78	alpha-SANTALENE	1,00
7	41,62	alpha-trans-BERGAMOTENE	0,18
8	43,29	SESQUITERPENE	0,03
9	44,71	epi-beta-SANTALENE	1,05
10	45,64	beta-SANTALENE	1,61
11	46,35	FARNESENE ISOMER	0,03
12	46,79	SANTALENE ISOMER	0,01
13	46,96	SANTALENE ISOMER	0,01
14	47,32	CURCUMENE ISOMER	0,03
15	47,73	FARNESENE ISOMER	0,04
16	48,18	gamma-CURCUMENE	0,10
17	48,59	PHOTOSANTALOL ISOMER	0,02
18	50,39	beta-BISABOLENE	0,09
19	50,43	PHOTOSANTALOL ISOMER	0,03
20	50,67	BERGAMOTENE ISOMER	0,03
21	51,19	beta-CURCUMENE	0,22
22	52,13	alpha-FARNESENE	0,01
23	52,47	BERGAMOTENE ISOMER	0,11
24	52,92	beta-SESQUIPHELLANDRENE	0,02
25	53,09	alpha-CURCUMENE	0,18
26	56,08	COMPOUND Mw=147	0,02
27	56,97	PHOTOSANTALOL ISOMER	0,03
28	57,61	SESQUITERPENIC EPOXIDE	0,02
29	60,17	COMPOUND Mw=216	0,01
30	60,66	SESQUITERPENIC EPOXIDE	0,01

Disclaimer & Caution:



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Peak	RT (min)	Compound name	%
31	61,14	AROMATIC COMPOUND	0,02
32	62,23	DENDROSALIN	0,03
33	62,42	COMPOUND Mw=206	0,02
34	63,26	SESQUITERPENOL	0,02
35	63,40	SESQUITERPENONE Mw=218	0,01
36	63,61	SESQUITERPENIC EPOXIDE	0,02
37	64,01	AROMATIC COMPOUND	0,02
38	65,36	SESQUITERPENOL	0,11
39	66,19	alpha-PHOTOSANTALOL A	0,35
40	66,61	BERGAMOTOL ISOMER	0,02
41	67,05	SESQUITERPENOL	0,02
42	67,86	NEROLIDOL	0,07
43	68,03	ALIPHATIC ESTER	0,01
44	69,11	alpha-PHOTOSANTALOL B	0,42
45	69,99	PHOTOSANTALOL ISOMER	0,20
46	70,23	SESQUITERPENOL	0,08
47	70,88	SESQUISABINENE HYDRATE ISOMER	0,07
48	71,50	SANTENYL COMPOUND	0,10
49	71,74	SANTENIC SESQUITERPENOL	0,04
50	71,87	SESQUITERPENOL	0,03
51	72,09	SESQUITERPENOL	0,04
52	72,32	ALIPHATIC ESTER	0,11
53	72,61	SESQUITERPENIC EPOXIDE	0,08
54	72,91	SESQUITERPENIC EPOXIDE	0,12
55	73,18	AROMATIC OXYGENED COMPOUND Mw=216	0,16
56	73,49	epi-beta-BISABOLOL	0,16
57	73,55	beta-BISABOLOL	0,34
58	74,08	SESQUITERPENOL	0,06
59	74,32	alpha-SANTALAL	1,27
60	74,51	SANTALOL ISOMER	0,14

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Peak	RT (min)	Compound name	%
61	74,78	SANTALOL ISOMER	0,43
62	74,98	BERGAMOTOL ISOMER	0,11
63	75,20	AROMATIC COMPOUND Mw=216	0,81
64	75,55	BERGAMOTOL ISOMER	0,06
65	75,75	SANTALOL ISOMER	0,02
66	76,06	COMPOUND Mw=216	0,14
67	76,56	epi-alpha-BISABOLOL	0,06
68	76,69	alpha-BISABOLOL	0,17
69	77,55	COMPOUND Mw=166	0,26
70	77,61	SANTALIC COMPOUND Mw=218	0,10
71	78,45	SANTALOL ISOMER	0,43
72	78,72	SESQUITERPENOL Mw=222	0,32
73	79,39	SANTALOL ISOMER	0,04
74	79,62	DIMETHYL METHYLPENTENYL NORBORNANOL	0,51
75	79,70	SESQUIPHELLANDROL ISOMER Mw=222	0,06
76	80,78	SANTALOL ISOMER	0,07
77	81,03	CURCUMENOL ISOMER	0,06
78	81,17	SESQUITERPENOL	0,04
79	81,92	BERGAMOTOL ISOMER	0,08
80	82,46	SESQUITERPENOL	0,03
81	83,00	Z-alpha-SANTALOL	44,80
82	83,30	Z-alpha-BERGAMOTOL	6,64
83	83,48	SANTALOL ISOMER	0,23
84	83,96	BERGAMOTOL ISOMER	0,22
85	84,53	SANTALOL ISOMER	0,41
86	84,58	SANTALOL ISOMER	0,11
87	84,79	BERGAMOTOL ISOMER	0,35
88	85,79	Epi-beta-SANTALOL	3,38
89	86,59	Z-beta-SANTALOL	20,35
90	87,05	SANTALOL ISOMERE	0,49

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Peak	RT (min)	Compound name	%
91	87,26	SANTALOL ISOMER	0,49
92	87,72	BERGAMOTOL ISOMER	0,25
93	88,11	SANTALOL ISOMER	0,17
94	88,27	SANTALOL ISOMER	1,75
95	88,46	SANTALYL ACETATE ISOMER	0,35
96	89,04	Z-gamma-CURCUMENE-12-OL	0,94
97	89,34	LANCEOL	2,73
98	89,85	SESQUITERPENIC COMPOUND Mw=218	0,11
99	90,59	NUCIFEROL Mw=218	0,99
100	90,82	SESQUITERPENIC COMPOUND Mw=218	0,22
101	90,99	CURCUMENOL ISOMER	0,08
102	91,66	SESQUITERPENIC COMPOUND Mw=218	1,01
103	91,92	SESQUITERPENIC COMPOUND Mw=218	0,16
104	92,49	SESQUITERPENOL	0,14
105	93,30	SESQUITERPENIC COMPOUND Mw=218	0,15
106	93,96	SESQUITERPENIC EPOXIDE	0,05
107	96,45	SESQUITERPENOL	0,11
108	100,61	SESQUITERPENIC COMPOUND Mw=218	0,04
109	105,81	SANTALIC COMPOUND Mw=232	0,03
110	106,84	SESQUITERPENIC COMPOUND Mw=218	0,06
111	108,76	OXYGENED SESQUITERPENIC COMPOUND	0,14
112	112,74	OXYGENED SESQUITERPENIC COMPOUND	0,03
		TOTAL	99,91

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