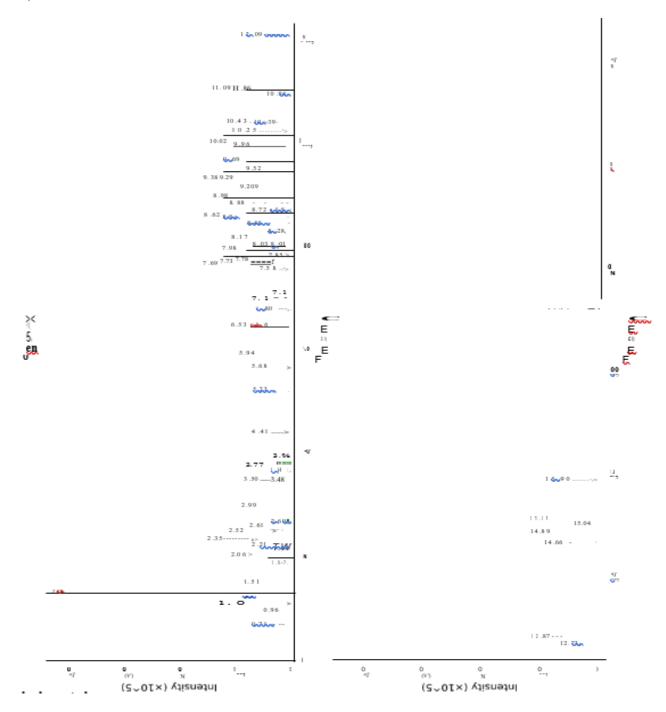


GCMS ANALYSIS

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA - 11246 DATE: April 29, 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: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA - 11246

Peak	RT (min)	Compound name	%
1	0,62	3-Methyl-2-butanone	tr
2	1,13	Toluene	0,01
3	1,99	Unknown [m/z 109, 43 (28), 124(28), 41 (14), 55(11), 79 (9), 81(8),,,]	tr
4	2,46	Unknown [m/z 93,91 (75), 121 (61),77 (58), 79 (38),	0,01
5	2,63	Unknown [m/z 93,91 (72), 121 (58),77 (49), 79 (41), 43(22), 105 (20),107(20), 41 (18), 136(17), 92 (17)]	0,02
6	2,78	Hashishene	0,12
7	2,82	Tricyclene	0,01
8	3,00	α-Thujene	70,18
9	3,03	α-Pinene	5,40
10	3,17*	Unknown [m/z 91,92 (47), 65 (11),,,134 (1)]	0,46
11	3,17*	Camphene	[0,46]
12	3,28	Thuja-2,4(10)-diene	0,02
13	3,53	meta-Cymene	0,03
14	3,61*	β-Pinene	5,56
15	3,61*	Sabinene	[5,56]
16	3,87	6-Methyl-5-hepten-2-one	0,01
17	3,93	Myrcene	0,78
18	4,01	2-Carene	0,02
19	4,07	α-Phellandrene	1,75
20	4,16	Δ3-Carene	4,57
21	4,26	α-Terpinene	0,40
22	4,34	ortho-Cymene	0,08
23	4,38	para-Cymene	1,51
24	4,41	Unknown [m/z 109, 43 (58), 95(26),,, 137 (15),,,]	0,13
25	4,45*	Limonene	2,20
26	4,45*	β-Phellandrene	[2,20]
27	4,67	(Z)-β-Ocimene	0,62
28	4,76	Unknown [m/z 109, 43 (57), 91(28), 67 (25), 93(24), 95 (22), 77(21), 137 (21), 41(17), 79 (14),,,]	0,05
29	4,82	(E)-β-Ocimene	0,30
30	4,87	Unknown [m/z 109, 45 (67), 41 (40), 67(39), 81 (33), 79(27), 95 (24), 91(23), 82 (21), 55(21), 93 (20),,,]	0,04

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Peak	RT (min)	Compound name	%
31	4,76	Unknown [m/z 109, 43 (57), 91(28), 67 (25), 93(24), 95 (22), 77(21), 137 (21), 41(17), 79 (14),,,]	0,05
32	4,82	(E)-β-Ocimene	0,30
33	4,87	Unknown [m/z 109, 45 (67), 41 (40), 67(39), 81 (33), 79(27), 95 (24), 91(23), 82 (21), 55(21), 93 (20),,,]	0,04
34	4,93	γ-Terpinene	0,78
35	5,05	cis-Sabinenehydrate	0,03
36	5,11	Unknown [m/z 79,93 (60), 43 (40), 94(35), 137 (33), 77(26), 91 (20), 152(18)]	0,01
37	5,14	cis-Linalool oxide(fur,)	0,01
38	5,39*	Terpinolene	0,32
39	5,39*	para-Cymenene	[0,32]
40	5,53	trans-Sabinenehydrate	0,03
41	5,58	Unknown [m/z 109, 43 (65), 95(54), 119 (50), 91(47),,, 149 (8),,,]	0,01
42	5,63	Linalool	0,09
43	5,80*	Unknown [m/z 109, 81 (54), 91(32), 79 (22),,,]	0,17
44	5,80*	β-Thujone	[0,17]
45	5,83	Unknown [m/z 109, 91 (57), 93(47), 81 (44), 77(40),,,	0,01
46	5,90	cis-para-Menth-2-en-1-ol	0,05
47	5,98	Unknown [m/z 111, 43 (22), 55(14), 41 (12), 110(11),,,]	0,01
48	6,08	allo-Ocimene	0,03
49	6,12	trans-Pinocarveol	0,01
50	6,19	trans-para-Menth-2-en-1-ol	0,04
51	6,26	trans-Verbenol	0,01
52	6,32	para-Menth-3-en-8-ol	0,01
53	6,50	Unknown [m/z 109, 43 (75), 137(46), 67 (31), 93(25),,,	0,02
54	6,59	Borneol	0,03
55	6,64	cis-Sabinol	0,05
56	6,68	Umbellulone	0,02
57	6,75	Terpinen-4-ol	0,50
58	6,85*	meta-Cymen-8-ol	0,03
59	6,85*	Cryptone	[0,03]
60	6,90	para-Cymen-8-ol	0,02

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Peak	RT (min)	Compound name	%
61	6,97	α-Terpineol	0,04
62	7,06	Myrtenol	0,02
63	7,10	Methylchavicol	1,19
64	7,20	Verbenone	0,03
65	7,24	trans-Piperitol	0,01
66	7,42	trans-Carveol	0,01
67	7,67	Cuminal	0,02
68	7,80	Carvotanacetone	0,01
69	7,90	Piperitone	0,03
70	8,04	Linalyl acetate	0,02
71	8,14	Unknown [m/z 109, 41 (22), 81(14), 43 (11),,, 152(4)]	0,02
72	8,41	Bornyl acetate	0,02
73	8,73	Thymol	0,01
74	8,84	Carvacrol	0,03
75	9,34	α-Terpinyl acetate	0,03
76	9,55	Cyclosativene II	0,01
77	9,68	α-Copaene	0,08
78	9,79*	β-Bourbonene	0,41
79	9,79*	1,5-diepi-β-Bourbonene	[0,41]
80	9,89	β-Elemene	0,01
81	10,13	Methyleugenol	0,06
82	10,26	β-Ylangene	0,07
83	10,40	β-Copaene	0,05
84	10,54	trans-α-Bergamotene	0,04
85	10,60	Isogermacrene D	0,03
86	10,88	cis-Muurola-4(15),5-diene	0,02
87	11,09	Germacrene D	0,11
88	11,11	Unknown [m/z 91,93 (92), 105 (71),77 (69), 79 (68),133 (63),,, 204 (32)]	0,08
89	11,29	Bicyclogermacrene	0,01
90	11,37	α-Muurolene	0,01

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Peak	RT (min)	Compound name	%
91	11,53	γ-Cadinene	0,02
92	11,67	δ-Cadinene	0,08
93	12,15	Elemicin	0,01
94	14,92	α-Phellandrene dimer II	0,02
95	15,11	α-Phellandrene dimer III	0,01
96	16,69	(3E)-Cembrene A	0,01
97	17,19	Verticilla-4(20),7,11-triene	0,01
98	18,47	Cembrenol	0,01
99	18,60*	Serratol	0,05
100	18,60*	Incensole	[0,05]
		TOTAL	99,29

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