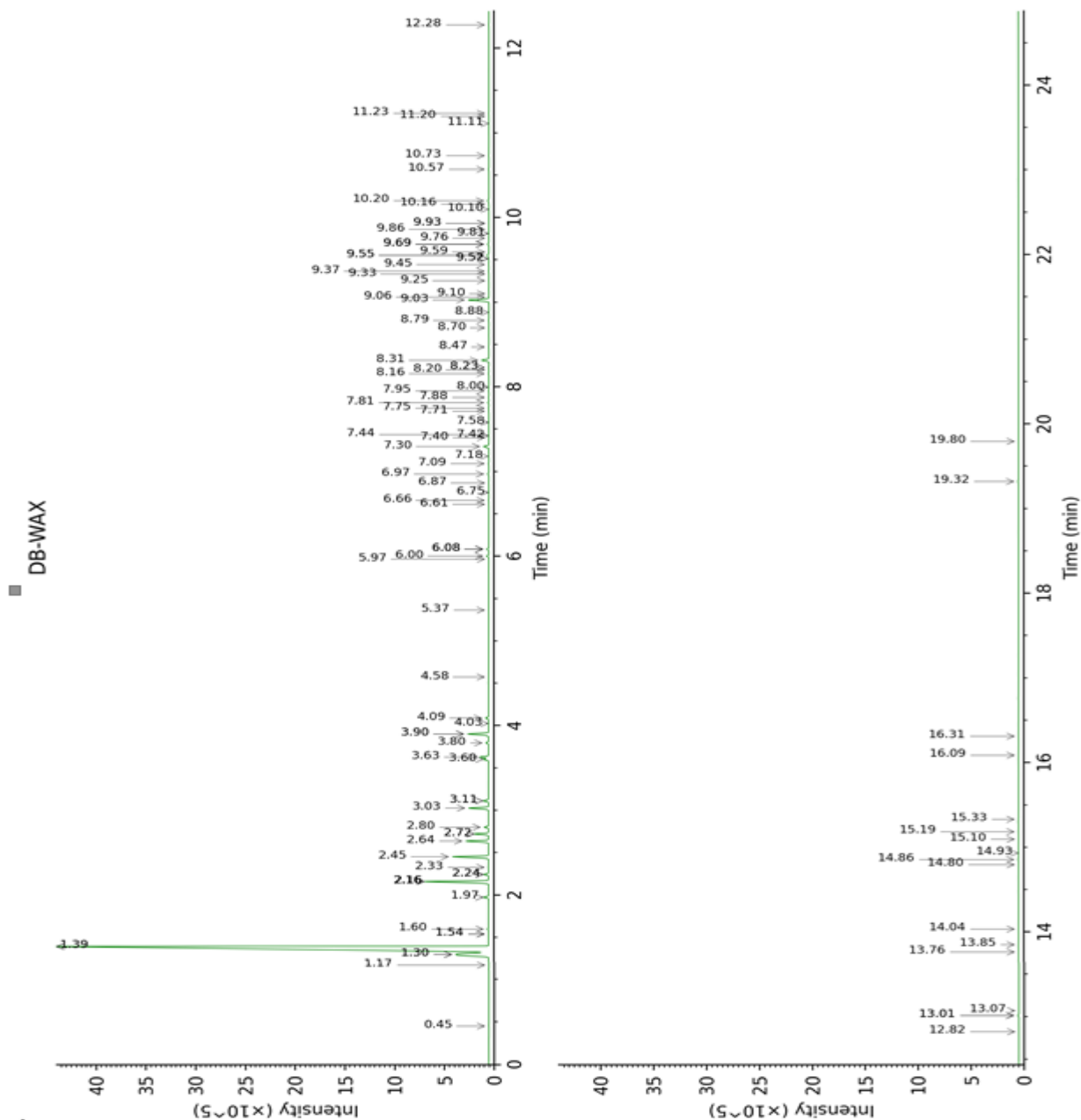


GCMS ANALYSIS

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA- 11246
DATE: September 7, 2022



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: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA- 11246

Peak	RT (min)	Compound name	%
1	0.63	(E)-2-Methyl-1,3 pentadiene	0.01
2	1.27	Toluene	0.01
3	2.21	Unknown [m/z 109,43 (28), 124 (28), 41(14), 55 (11), 79 (9),81 (8)...]	tr
4	2.88	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
5	3.04	Hashishene	0.10
6	3.08	Tricyclene	0.01
7	3.26	α -Thujene	69.25
8	3.30	α -Pinene	5.61
9	3.44	Unknown [m/z 91, 92(47), 65 (11)... 134 (1)]	0.36
10	3.47*	Camphene	0.08
11	3.47*	α -Fenchene	[0.08]
12	3.56	Thuja-2,4(10)-diene	0.01
13	3.81	3,7,7-Trimethylcyclohepta-1,3,5-triene	0.02
14	3.89†	Sabinene	5.76
15	3.89†	β -Pinene	[5.76]
16	4.04	Pseudolimoneneisomer	0.01
17	4.21	Myrcene	1.08
18	4.26	2-Carene	0.01
19	4.36	α -Phellandrene	1.83
20	4.45	Δ^3 -Carene	3.03
21	4.55	α -Terpinene	0.34
22	4.64	meta-Cymene	0.08
23	4.68	para-Cymene	1.80
24	4.71	Unknown [m/z 109,43 (58), 95 (26)... 137(15)...]	0.17
25	4.75*	β -Phellandrene	2.13
26	4.75*	1,8-Cineole	[2.13]
27	4.75*	Limonene	[2.13]
28	4.88	Unknown [m/z 67, 93(70), 82 (70), 121 (42), 107 (39), 91 (33), 79(28)...]	0.01
29	4.96	(Z)- β -Ocimene	0.44
30	5.07	Unknown [m/z 109, 43 (57), 91 (28), 67 (25), 93 (24), 95 (22),77 (21), 137 (21), 41(17), 79 (14)]	0.06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA- 11246

Peak	RT (min)	Compound name	%
31	5.12	(E)- β -Ocimene	0.22
32	5.17	Unknown [m/z 109, 45 (67), 41 (40), 67(39), 81 (33), 79 (27),95 (24), 91 (23), 82(21), 55 (21), 93(20)...]	0.03
33	5.24	γ -Terpinene	0.74
34	5.36	cis-Sabinene hydrate	0.04
35	5.41	Unknown [m/z 79, 93(60), 43 (40), 94 (35), 137 (33), 77 (26), 91(20), 152 (18)]	0.01
36	5.67	Isoterpinolene	0.01
37	5.70*	para-Cymenene	0.27
38	5.70*	Terpinolene	[0.27]
39	5.85	trans-Sabinenehydrate	0.04
40	5.89	Perillene	0.01
41	5.94	Linalool	0.13
42	6.00	Unknown [m/z 119,109 (94), 43 (61), 95 (56), 91 (48), 77 (32),152 (32), 137 (31),134 (24)]	0.01
43	6.11*	Unknown [m/z 109,81 (54), 91 (32), 79(22)...]	0.20
44	6.11*	β -Thujone	[0.20]
45	6.22*	α -Campholenal	0.06
46	6.22*	cis-para-Menth-2-en-1-ol	[0.06]
47	6.29	Unknown [m/z 111,43 (22), 55 (14), 41(12), 110 (11)...]	0.01
48	6.39	allo-Ocimene	0.02
49	6.45	trans-Pinocarveol	0.02
50	6.52	trans-Sabinol	0.06
51	6.58	trans-Verbenol	0.02
52	6.64	para-Menth-3-en-8-ol	0.01
53	6.83	Unknown [m/z 109,43 (75), 137 (46), 67(31), 93 (25)...152 (4)]	0.02
54	6.90	Borneol	0.03
55	6.94	α -Phellandren-8-ol	Tr
56	6.98*	cis-Sabinol	0.07
57	6.98*	Unknown [m/z 95,110 (43), 81 (28), 41(15)... 152 (8)]	[0.07]
58	7.08	Terpinen-4-ol	0.67
59	7.19	meta-Cymen-8-ol	0.01
60	7.23	para-Cymen-8-ol	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA- 11246

Peak	RT (min)	Compound name	%
61	7.30	α -Terpineol	0.05
62	7.42	Methylchavicol	1.99
63	7.46	<i>cis</i> - α -Phellandreneepoxide (iPr vs Me)	0.04
64	7.52	Verbenone	0.03
65	7.57	<i>trans</i> -Piperitol	0.02
66	7.75	<i>trans</i> -Carveol	0.02
67	8.12	Carvone	0.02
68	8.22	Piperitone	0.04
69	8.27	<i>trans</i> -Sabinenehydrate acetate	0.01
70	8.36	Linalyl acetate	0.04
71	8.52	Unknown [m/z 109,41 (22), 81 (14), 43(11)... 152 (4)]	0.02
72	8.73	Bornyl acetate	0.04
73	8.98	Thymol	0.01
74	9.10	Carvacrol	0.01
75	9.19	para-Menth-5-en-1,2-diol isomer III	0.06
76	9.46	Unknown [m/z 43, 97(99), 107 (47), 41 (35),55 (30)...]	0.01
77	9.67*	α -Terpinyl acetate	0.05
78	9.67*	α -Cubebene	[0.05]
79	9.96	α -Ylangene	0.02
80	10.03	α -Copaene	0.13
81	10.14*†	1,5-diepi- β -Bourbonene	0.57
82	10.14*†	β -Bourbonene	[0.57]
83	10.24*	β -Cubebene	0.02
84	10.24*	Unknown [m/z 71,109 (99), 85 (66), 111(65), 100 (63), 43(59)...]	[0.02]
85	10.28	β -Elemene	0.01
86	10.32	Sibirene	0.06
87	10.46*	α -Gurjunene	0.12
88	10.46*	Methyleugenol	[0.12]
89	10.61	β -Ylangene	0.09
90	10.74	β -Copaene	0.07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA SERRATA- 11246

Peak	RT (min)	Compound name	%
91	10.88	<i>trans</i> - α -Bergamotene	0.05
92	10.95	Isogermacrene D	0.05
93	11.06	α -Humulene	0.01
94	11.11	allo-Aromadendrene	0.02
95	11.16	<i>cis</i> -Muuro-la-4(15),5-diene	0.02
96	11.40	γ -Muuro-lene	0.05
97	11.44	Germacrene D	0.20
98	11.46	Unknown [m/z 91, 93(92), 105 (71), 77 (69), 79 (68), 133 (63)...204 (32)]	0.12
99	11.52	β -Selinene	0.01
100	11.63	Bicyclogermacrene	0.02
101	11.72	α -Muuro-lene	0.01
102	11.80	δ -Amorphene	0.01
103	11.89*	γ -Cadinene	0.02
104	11.89*	β -Bisabolene	[0.02]
105	12.03	δ -Cadinene	0.16
106	12.35	α -Elemol	0.01
107	12.48	Elemicin	0.02
108	12.96	Guaiol	0.01
109	13.14	4,10-diepi-Guaiol	0.01
110	13.61	Unknown [m/z 204, 161 (97), 59 (87), 189(78), 105 (45)...]	0.01
111	15.29	α -Phellandrenedimer II	0.04
112	15.47	α -Phellandrenedimer III	0.01
113	15.69	α -Phellandrenedimer IV	0.01
114	17.05	(3E)-Cembrene A	0.03
115	17.58	Verticilla-4(20),7,11-triene	0.02
116	18.84	Cembrenol	0.02
117	18.98	Serratol	0.08
Total reported			99.52%

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total

†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis
tr: The compound has been detected below 0.005% of total signal.

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