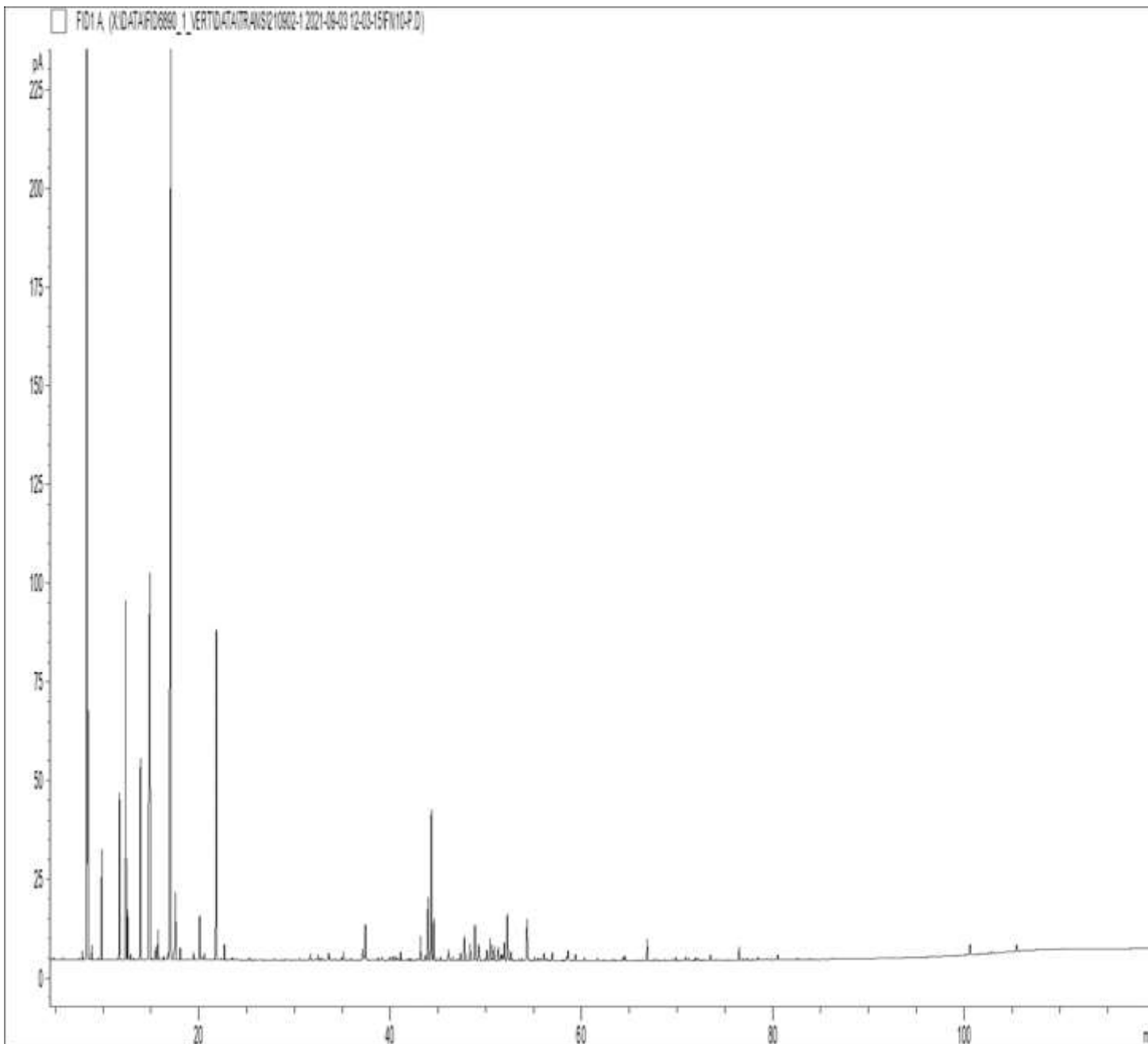


GCMS ANALYSIS

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298
DATE: September 07, 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,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298

Peak	RT (min)	Compound name	%
1	5,79	TETRAMETHYL-CYCLOPENTENE ISOMER Mw=124	0,01
2	7,86	TRICYCLENE	0,07
3	8,37	alpha-PINENE	47,40
4	8,42	alpha-THUYENE	1,70
5	8,85	TOLUENE	0,10
6	9,51	alpha-FENCHENE	0,02
7	9,85	CAMPHENE	0,91
8	11,71	beta-PINENE	1,56
9	12,40	SABINENE	3,45
10	12,57	PINADIENE	0,46
11	12,89	THUYA-2,4-DIENE	0,06
12	13,19	p-MENTH-2-ENE	0,02
13	13,92	delta3-CARENE	2,02
14	14,84	beta-MYRCENE	4,88
15	14,91	alpha-PHELLANDRENE	3,05
16	15,11	psi-LIMONENE	0,02
17	15,51	o-CYMENE	0,14
18	15,75	alpha-TERPINENE	0,30
19	16,34	1,8-CINEOLE, 2,3-DEHYDRO-	0,04
20	16,77	MENTHATRIENE ISOMER	0,08
21	17,08	LIMONENE	15,49
22	17,46	1,8-CINEOLE	0,13
23	17,56	beta-PHELLANDRENE	0,70
24	18,06	MENTHATRIENE ISOMER	0,12
25	19,44	cis-beta-OCIMENE	0,08
26	20,11	gamma-TERPINENE	0,48
27	20,30	MENTHATRIENE ISOMER	0,04
28	20,59	trans-beta-OCIMENE	0,07
29	21,62	m-CYMENE	0,01
30	21,82	p-CYMENE	3,85

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298

Peak	RT (min)	Compound name	%
31	22,33	ISOAMYL ISOVALERATE	0,02
32	22,68	TERPINOLENE	0,18
33	23,46	DIMETHYLSTYRENE ISOMER	0,02
34	23,57	AMYL ISOVALERATE	0,03
35	23,98	CYMENE ISOMER	0,01
36	25,26	COMPOUND Mw=152	0,03
37	26,34	COMPOUND Mw=138	0,01
38	27,90	COMPOUND Mw=138	0,02
39	30,56	COMPOUND Mw=134	0,03
40	31,65	o-METHYLANISOLE	0,07
41	32,22	HEXYL BUTYRATE	0,02
42	32,45	PERILLENE	0,06
43	32,73	endo-ISOPINOCAMPHONE	0,03
44	33,00	DIMETHYLSTYRENE ISOMER	0,01
45	33,57	alpha-p-DIMETHYLSTYRENE	0,08
46	33,70	beta-THUYONE	0,04
47	34,25	ALIPHATIC ESTER	0,02
48	34,92	trans-THUYANOL	0,03
49	35,10	alpha-CUBEBENE	0,11
50	35,92	delta-ELEMENE	0,03
51	36,59	OCTYL ACETATE	0,01
52	37,14	alpha-CAMPHOLENAL	0,18
53	37,42	alpha-COPAENE	0,47
54	38,76	alpha-PINOCAMPHONE	0,05
55	39,07	SESQUITERPENE	0,02
56	39,17	beta-BOURBONENE	0,05
57	39,93	alpha-GURJUNENE	0,04
58	40,23	ALIPHATIC ESTER	0,05
59	40,56	beta1-CUBEBENE	0,06
60	40,79	COMPOUND Mw=152	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298

Peak	RT (min)	Compound name	%
61	41,11	LINALOOL	0,10
62	41,70	1-OCTANOL	0,02
63	41,97	trans-p-MENTH-2-EN-1-OL	0,03
64	42,19	PINOCARVONE	0,03
65	42,58	SESQUITERPENE	0,01
66	42,85	SESQUITERPENE	0,04
67	43,18	BORNYL ACETATE	0,30
68	43,70	alpha-trans-BERGAMOTENE	0,07
69	43,95	beta-ELEMENE	0,79
70	44,33	beta-CARYOPHYLLENE	2,03
71	44,57	TERPINENE-4-OL	0,51
72	44,97	SESQUITERPENE	0,02
73	45,24	TERPINEOL ISOMER	0,05
74	46,09	MYRTENAL	0,17
75		cis-p-2,8-MENTHADIEN-1-OL	
76	46,56	SESQUITERPENE	0,05
77	47,05	SESQUITERPENE	0,04
78	47,37	ALLO-AROMADENDRENE	0,10
79	47,80	trans-PINOCARVEOL	0,36
80	48,37	ALIPHATIC ALCOHOL	0,20
81		ZONARENE	
82	48,67	MENTHADIENOL ISOMER	0,02
83	48,88	alpha-HUMULENE	0,47
84	49,03	CARVOTANACETONE	0,01
85	49,25	trans-VERBENOL	0,22
86	49,25	gamma-SELINENE	0,04
87	49,88	LAVANDULAL	0,02
88	50,13	gamma-MUUROLENE	0,14
89	50,43	TERPENYL ACETATE	0,04
90	50,50	alpha-TERPINEOL	0,30

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298

Peak	RT (min)	Compound name	%
91	50,68	BORNEOL	0,03
92	50,86	VERBENONE	0,20
93	51,33	GERMACRENE D	0,18
94	51,64	SESQUITERPENE	0,09
95	51,76	MUUROLADIENE ISOMER	0,06
96	51,92	beta-SELINENE	0,26
97	52,26	MENTHADIENOL ISOMER	0,38
98	52,30	alpha-MUUROLENE	0,10
99	52,35	alpha-SELINENE	0,21
100	52,65	CARVONE	0,13
101	52,82	BICYCLOGERMACRENE	0,02
102	53,40	trans-PIPERITOL	0,02
103	53,52	cis-ISOPIPERITENOL	0,02
104	53,83	trans-ISOPIPERITENOL	0,03
105	54,31	delta-CADINENE	0,54
106	54,35	gamma-CADINENE	0,25
107	54,55	7-epi-alpha-SELINENE	0,01
108	55,12	METHYL SALICYLATE	0,05
109	55,49	MENTHADIENOL ISOMER	0,04
110	55,75	CUMINAL	0,04
111	55,84	CADINA-1,4-DIENE	0,02
112	56,11	MYRTENOL	0,10
113	56,35	alpha-AMORPHENE	0,04
114	56,68	ALIPHATIC ALCOHOL	0,02
115	56,97	trans-SABINOL	0,11
116	58,46	AROMATIC COMPOUND	0,05
117	58,59	trans-CARVEOL	0,14
118	59,39	p-CYMENE-8-OL	0,09
119		TOLUENE, 3,5-DIMETHOXY-	
120	60,31	cis-CARVEOL	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE ESSENTIAL OIL - BOSWELLIA CARTERII - 11298

Peak	RT (min)	Compound name	%
121	61,69	Epi-CUBEBOL	0,03
122	62,41	SABINOL ISOMER	0,02
123	63,30	alpha-CALACORENE	0,02
124	64,37	alpha-PHELLANDRENE DIMER ISOMER	0,06
125	64,54	CUBEBOL	0,07
126	66,88	CARYOPHYLLENE EPOXIDE	0,29
127	67,59	TERPENIC COMPOUND	0,01
128	67,85	TERPENIC COMPOUND	0,01
129	68,74	SESQUITERPENOL	0,01
130	69,87	EPOXY-6,7-HUMULENE	0,05
131	70,86	SESQUITERPENOL	0,05
132	71,19	CUBENOL	0,03
133	71,90	ELEMOL	0,03
134	72,13	VIRIDIFLOROL	0,03
135	73,47	10-epi-gamma-EUDESOL	0,07
136	74,11	SPATHULENOL	0,02
137	76,48	T-CADINOL	0,17
138	76,83	5-epi-7-epi-alpha-EUDESOL	0,02
139	77,28	SESQUITERPENOL	0,03
140	78,34	GERANYLGERANIADIENE	0,02
141	78,47	CARVACROL	0,04
142	79,33	SESQUITERPENOL	0,03
143	80,54	NEOCEMBRENE	0,08
144	82,59	AROMATIC COMPOUND	0,02
145	83,80	DITERPENE Mw=272	0,01
146	85,31	DITERPENE Mw=272	0,02
147	86,11	SESQUITERPENIC EPOXIDE	0,02
148	100,59	INCENSYL ACETATE	0,15
149	102,87	CEMBRENOL	0,03
150	105,46	INCENSOL	0,10
		TOTAL	100,00

Tr, : Traces (Between 33 and 100 ppm)

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