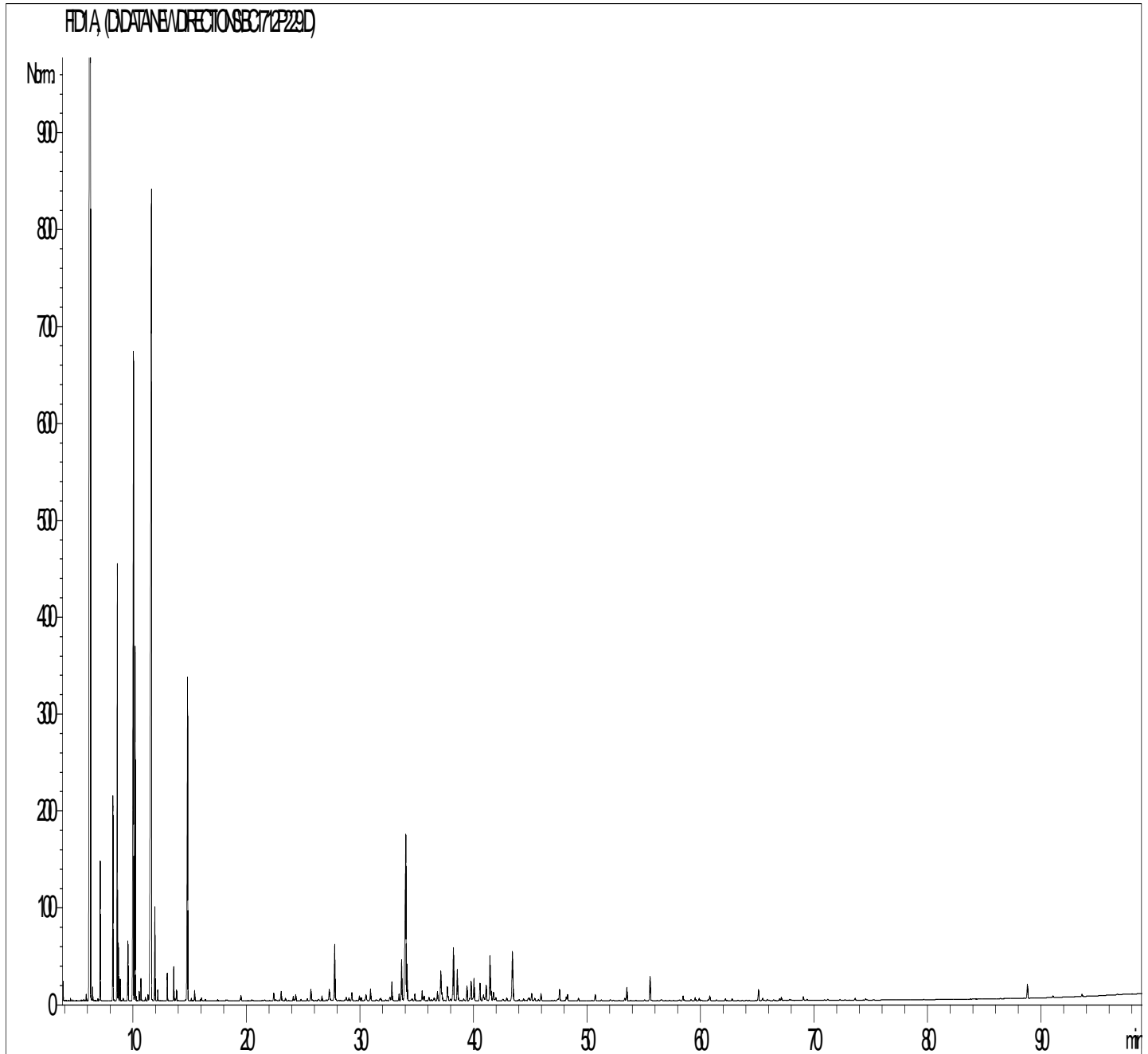




GCMS ANALYSIS

PRODUCT NAME: FRANKINCENSE (CARTERII) ESSENTIAL OIL - 11298

DATE: March 22, 2018



*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 (CARTERII) ESSENTIAL OIL - 11298

Peak	RT (min)	Compound name	%
1	3,9	ACETONE	0,08
2	5,8	TRICYCLENE	0,06
3	6,2	<b>alpha-PINENE</b>	<b>46,06</b>
4	6,3	<b>alpha-THUYENE</b>	<b>2,53</b>
5	6,4	TOLUENE	0,09
6	6,9	alpha-FENCHENE	0,02
7	7,1	CAMPHENE	0,85
8	8,2	beta-PINENE	1,55
9	8,6	<b>SABINENE</b>	<b>3,55</b>
10	8,7	PINADIENE	0,38
11	8,8	THUYADIENE	0,15
12	9,1	p-MENTH-2-ENE	0,02
13	9,5	delta3-CARENE	0,53
14	10,0	<b>beta-MYRCENE</b>	<b>7,64</b>
15	10,1	<b>alpha-PHELLANDRENE</b>	<b>2,69</b>
16	10,3	psi-LIMONENE	0,03
17	10,5	o-CYMENE	0,07
18	10,7	alpha-TERPINENE	0,19
19	11,0	1,8-CINEOLE-2,3-DEHYDRO	0,03
20	11,3	MENTHATRIENE ISOMER	0,06
21	11,6	<b>LIMONENE</b>	<b>13,51</b>
22	11,9	beta-PHELLANDRENE	0,79
23	12,1	MENTHATRIENE ISOMER	0,09
24	13,0	Cis-beta-OCIMENE	0,24
25	13,5	gamma-TERPINENE	0,31
26	13,8	Trans-beta-OCIMENE	0,10
27	14,6	m-CYMENE	0,01
28	14,8	<b>p-CYMENE</b>	<b>3,64</b>
29	15,1	METHYLBUTYRATE, 2-METHYLBUTYL	0,02
30	15,4	TERPINOLENE	0,10

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: FRANKINCENSE (CARTERII) ESSENTIAL OIL - 11298**

Peak	RT (min)	Compound name	%
31	16,0	METHYLBUTYRATE, 3-METHYLBUTYL	0,04
32	16,3	DIMETHYLSTYRENE ISOMER	0,02
33	17,4	PINOL	0,01
34	19,5	1-METHOXYDECANE	0,07
35	22,3	AROMATIC COMPOUND	0,08
36	23,0	PERILLENE	0,15
37	23,4	alpha-THUYONE	0,03
38	24,1	alpha,p-DIMETHYLSTYRENE	0,05
39	24,3	beta-THUYONE	0,08
40	24,8	LINALOOL Trans-OXIDE + HEXENYLIC ESTER	0,02
41	25,3	Trans-THUYANOL	0,03
42	25,6	alpha-CUBEBENE	0,14
43	26,3	SESQUITERPENE	0,04
44	26,6	OCTYL ACETATE	0,06
45	27,1	SESQUITERPENE	0,01
46	27,2	alpha-CAMPHOLENAL	0,16
47	27,7	alpha-COPAENE	0,74
48	27,8	alpha-PINOCAMPHONE	0,02
49	28,7	alpha-BOURBONENE	0,05
50	29,0	SESQUITERPENE	0,04
51	29,2	beta-BOURBONENE	0,10
52	29,9	alpha-GURJUNENE	0,05
53	30,1	SESQUITERPENE	0,03
54	30,5	beta1-CUBEBENE	0,10
55	30,9	LINALOOL	0,15
56	31,7	PINOCARVONE	0,03
57	31,8	Trans-p-MENTH-2-EN-1-OL	0,03
58	32,6	epsilon-CADINENE	0,06
59	32,8	BORNYL ACETATE	0,24
60	33,4	alpha,trans-BERGAMOTENE	0,08

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE (CARTERII) ESSENTIAL OIL - 11298

Peak	RT (min)	Compound name	%
61	33,6	beta-ELEMENE + beta-CUBEBENE	0,54
62	34,0	<b>beta-CARYOPHYLLENE</b>	<b>2,96</b>
63	34,1	TERPINENE-4-OL	0,41
64	34,5	6,9-GUAIADIENE	0,03
65	34,8	ALIPHATIC ALCOHOL	0,08
66	35,4	MYRTENAL	0,14
67	35,6	Cis-p-2,8-MENTHADIEN-1-OL	0,06
68	36,0	TERPENIC ALCOHOL	0,04
69	36,2	UMBELLULONE	0,02
70	36,5	CADINA-3,5-DIENE	0,05
71	36,8	ALLO-AROMADENDRENE	0,12
72	37,1	Trans-PINOCARVEOL	0,40
73	37,2	Cis-VERBENOL	0,10
74	37,6	MENTHADIENOL ISOMER	0,17
75	37,7	ZONARENE	0,04
76	37,9	MENTHADIENOL ISOMER	0,02
77	38,2	alpha-HUMULENE	0,75
78	38,5	Trans-VERBENOL	0,41
79	38,6	gamma-SELINENE	0,03
80	39,1	NERAL	0,03
81	39,4	gamma-MUUROLENE	0,19
82	39,7	CALARENE	0,26
83	40,0	VERBENONE	0,33
84	40,5	GERMACRENE D	0,25
85	40,8	MUUROLENE ISOMER	0,12
86	41,1	beta-SELINENE	0,22
87	41,4	MENTHADIENOL ISOMER	0,57
88	41,5	alpha-SELINENE	0,12
89	41,7	alpha-MUUROLENE	0,12
90	41,9	BICYCLOGERMACRENE	0,05

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**GCMS ANALYSIS (cont'd.)**
**PRODUCT NAME: FRANKINCENSE (CARTERII) ESSENTIAL OIL - 11298**

Peak	RT (min)	Compound name	%
91	42,5	Cis-PIPERITOL	0,04
92	42,9	Trans-ISOPIPERITENOL	0,04
93	43,4	delta-CADINENE	0,66
94	43,5	gamma-CADINENE	0,19
95	44,4	METHYLACETOPHENONE	0,03
96	44,8	CUMINAL	0,03
97	44,8	Cis-SABINOL	0,04
98	45,1	MYRTENOL	0,10
99	45,3	CADINA-1,4-DIENE	0,04
100	45,7	alpha-AMORPHENE	0,02
101	45,9	Trans-SABINOL	0,09
102	47,4	CALAMENENE	0,04
103	47,5	Trans-CARVEOL	0,15
104	48,1	TOLUENE 2,6-DIMETHOXY	0,05
105	48,2	p-CYMENE-8-OL	0,08
106	49,2	Cis-CARVEOL	0,04
107	50,7	Épi-CUBEBOL	0,09
108	53,5	CUBEBOL	0,18
109	55,5	CARYOPHYLLENE EPOXIDE	0,33
110	56,5	PERILLIC ALCOHOL	0,03
111	58,1	SESQUITERPENIC EPOXIDE	0,01
112	58,4	EPOXY-6,7-HUMULENE	0,07
113	59,1	SESQUITERPENOL	0,02
114	59,5	EPI-CUBENOL	0,05
115	59,8	CUBENOL	0,03
116	60,6	ELEMOL	0,01
117	60,8	VIRIDIFLOROL	0,06
118	61,3	CUMINOL	0,01
119	62,1	10-épi-gamma-EUDESOL	0,02
120	62,7	SPATHULENOL	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FRANKINCENSE (CARTERII) ESSENTIAL OIL - 11298

Peak	RT (min)	Compound name	%
121	65,1	T-CADINOL	0,14
122	65,4	LEVOJUNEOL	0,03
123	65,8	alpha-MUUROLOL	0,02
124	66,4	delta-CADINOL	0,01
125	66,9	CARVACROL	0,02
126	67,1	GERANYLGERANIADIENE ISOMER	0,04
127	67,8	beta-EUDESMOL	0,02
128	67,9	alpha-CADINOL	0,01
129	69,0	CEMBRENE Mw=272	0,06
130	69,3	GERANYLGERANIADIENE ISOMER	0,02
131	71,2	SESQUITERPENIC EPOXIDE	0,01
132	72,2	DITERPENE Mw=272	0,01
133	73,6	AROMATIC COMPOUND	0,03
134	74,5	SESQUITERPENIC EPOXIDE	0,02
135	88,8	INCENSYL ACETATE	0,20
136	91,0	CEMBRENOL	0,02
137	93,6	INCENSOL	0,03
		<b>TOTAL</b>	<b>99,99</b>

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