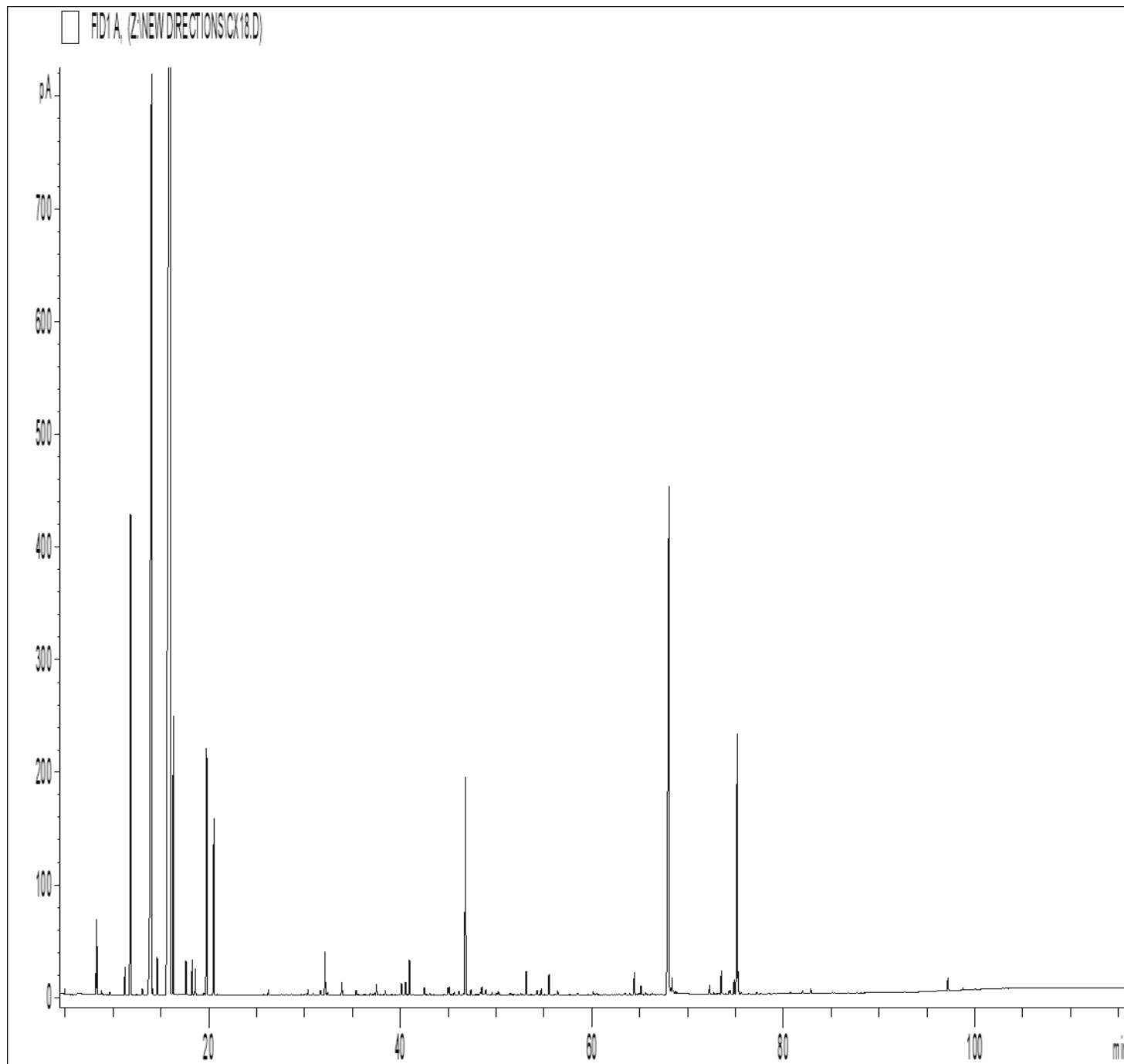


GCMS ANALYSIS

PRODUCT NAME: ELEMI ESSENTIAL OIL - 11051

DATE: October 23, 2020



*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: ELEMI ESSENTIAL OIL - 11051

Peak	RT (min)	Compound	%
1	4,92	ACETONE	0,02
2	8,25	alpha-PINENE	0,45
3	8,34	alpha-THUYENE	0,27
4	8,81	TOLUENE	0,02
5	9,66	CAMPHENE	0,02
6	11,23	beta-PINENE	0,23
7	11,83	<b>SABINENE</b>	<b>4,15</b>
8	13,06	delta3-CARENE	0,07
9	13,75	beta-MYRCENE	0,21
10	14,01	<b>alpha-PHELLANDRENE</b>	<b>14,20</b>
11	14,10	psi-LIMONENE	0,04
12	14,61	alpha-TERPINENE	0,41
13	16,02	<b>LIMONENE</b>	<b>54,11</b>
14	16,29	beta-PHELLANDRENE	2,13
15	17,61	cis-beta-OCIMENE	0,25
16	18,26	gamma-TERPINENE	0,27
17	18,46	MENTHATRIENE ISOMER	0,01
18	18,59	trans-beta-OCIMENE	0,20
19	19,48	m-CYMENE	0,02
20	19,78	p-CYMENE	2,25
21	20,53	TERPINOLENE	1,59
22	26,23	ALLO-OCIMENE	0,04
23	30,36	alpha-p-DIMETHYLSTYRENE	0,05
24	31,66	alpha-CUBEBENE	0,06
25	32,14	trans-THUYANOL	0,39
26	32,21	4,8-TERPINOLENE EPOXIDE	0,01
27	32,42	delta-ELEMENE	0,03
28	33,89	alpha-COPAENE	0,12
29	35,37	CAMPHOR	0,05
30	35,56	DILL ETHER	0,01

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**GCMS ANALYSIS (cont'd,)**

PRODUCT NAME: ELEMI ESSENTIAL OIL - 11051

Peak	RT (min)	Compound	%
31	36,84	trans-p-MENTH-3-EN-7-AL	0,01
32	37,31	beta1-CUBEBENE	0,02
33	37,49	cis-THUYANOL	0,11
34	38,42	trans-p-MENTH-2-EN-1-OL	0,04
35	39,07	epsilon-CADINENE	0,01
36	40,10	beta-ELEMENE	0,12
37	40,52	beta-CARYOPHYLLENE	0,14
38	40,93	TERPINENE-4-OL	0,34
39	42,50	cis-p-2,8-MENTHADIEN-1-OL	0,05
40	42,55	cis-p-MENTH-2-EN-1-OL	0,03
41	43,09	GERMACRENE A	0,02
42	44,98	alpha-HUMULENE	0,08
43	45,10	MENTHADIENOL ISOMER	0,08
44	45,61	CARVOTANACETONE	0,03
45	46,12	LAVANDULAL	0,04
46	46,56	gamma-MUUROLENE	0,01
47	46,79	<b>alpha-TERPINEOL</b>	<b>2,37</b>
48	46,92	COMPOUND Mw=152	0,01
49	47,36	GERMACRENE D	0,06
50	48,34	alpha-MUUROLENE	0,04
51	48,49	PIPERITONE	0,09
52	48,84	BICYCLOGERMACRENE	0,02
53	48,92	CARVONE	0,06
54	49,17	AROMATIC COMPOUND	0,01
55	49,56	trans-PIPERITOL	0,03
56	50,03	gamma-CADINENE	0,02
57	50,22	delta-CADINENE	0,04
58	52,55	NERYL PROPIONATE	0,01
59	52,72	COMPOUND Mw=152	0,01
60	53,13	trans-SABINOL	0,24

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**GCMS ANALYSIS (cont'd,)**

PRODUCT NAME: ELEMI ESSENTIAL OIL - 11051

Peak	RT (min)	Compound	%
61	54,28	COMPOUND Mw=168	0,06
62	54,71	trans-CARVEOL	0,06
63	55,52	p-CYMENE-8-OL	0,20
64	56,41	cis-CARVEOL	0,04
65	58,50	AROMATIC COMPOUND Mw=152	0,02
66	60,12	alpha-PHELLANDRENE DIMER ISOMER	0,03
67	60,54	CUBEBOL	0,01
68	63,34	CARYOPHYLLENE EPOXIDE	0,01
69	63,46	LIMONENE-10-OL	0,02
70	64,42	METHYLEUGENOL	0,23
71	64,90	alpha-PHELLANDRENE DIMER ISOMER	0,02
72	65,11	Epi-GLOBULOL	0,09
73	65,61	GERMACRENE D-4-OL	0,02
74	66,33	p-CRESOL	0,02
75	68,04	<b>ELEMOL</b>	<b>8,82</b>
76	68,37	GUAIOL	0,13
77	68,73	CYCLOHEXANEMETHANOL, 4-HYDROXY-alpha-alpha-4-TRIMETHYL-	0,03
78	68,89	EUDESMOL ISOMER	0,01
79	70,01	10-epi-gamma-EUDESMOL	0,01
80	72,28	gamma-EUDESMOL	0,10
81	72,73	AGAROSPIROL	0,02
82	73,17	alpha-MUUROLOL	0,01
83	73,51	2-ACETYLCYCLOPENTANONE	0,25
84	74,31	CARVACROL	0,03
85	74,42	BULNESOL	0,05
86	74,85	alpha-EUDESMOL	0,16
87	75,17	<b>ELEMICIN</b>	<b>3,11</b>
88	75,28	beta-EUDESMOL	0,21
89	77,21	trans-LIMONENE-1,2-DIOL	0,02
90	80,36	SESQUITERPENIC EPOXIDE	0,01

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**GCMS ANALYSIS (cont'd,)**

PRODUCT NAME: ELEMI ESSENTIAL OIL - 11051

<b>Peak</b>	<b>RT (min)</b>	<b>Compound</b>	<b>%</b>
91	80,71	ALIPHATIC ALCOHOL	0,02
92	82,00	AROMATIC COMPOUND	0,04
93	82,85	AROMATIC COMPOUND	0,06
94	85,31	COMPOUND Mw=244	0,01
95	86,74	AROMATIC COMPOUND	0,01
96	97,17	EUDESMOL ISOMER	0,15
97	98,75	SESQUITERPENIC EPOXIDE	0,02
98	100,00	SESQUITERPENIC EPOXIDE	0,01
99	102,89	SESQUITERPENIC EPOXIDE	0,01
100	105,22	SESQUITERPENIC EPOXIDE	0,01
		<b>TOTAL</b>	<b>99,95</b>

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