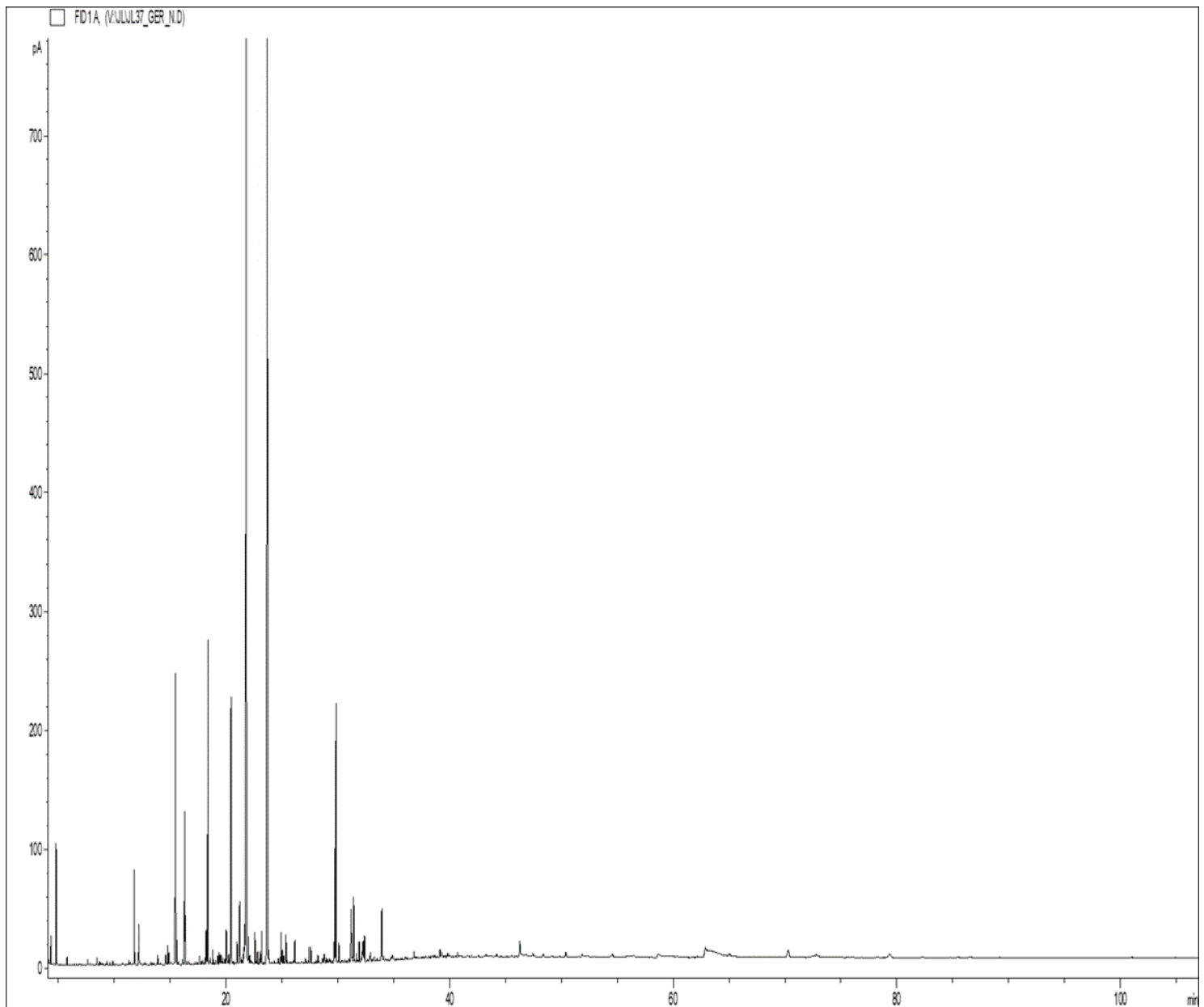


GCMS ANALYSIS

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

DATE: February 28, 2023



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: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
1	4,78	ETHANOL	1,20
2	5,77	alpha-PINENE	0,07
3	7,60	beta-MYRCENE	0,05
4	8,43	LIMONENE	0,08
5	8,66	beta-PHELLANDRENE	0,05
6	9,34	trans-beta-OCIMENE	0,04
7	9,87	p-CYMENE	0,04
8	11,28	2-HEPTANONE, 6-METHYL-	0,05
9	11,79	ROSE cis-OXIDE	1,16
10	12,17	ROSE trans-OXIDE	0,65
11		3-HEXEN-1-OL	
12	12,70	2-HEXEN-1-OL	0,04
13	13,89	LINALOOL cis-OXIDE	0,13
14	14,59	alpha-CUBEBENE	0,19
15	14,75	MENTHONE	0,26
16	14,86	CITRONELLAL	0,18
17	15,47	ISOMENTHONE	4,42
18	15,56	alpha-COPAENE	0,37
19	15,72	EXO-ISOCITRAL	0,05
20	16,09	alpha-BOURBONENE	0,07
21	16,24	beta-BOURBONENE	0,91
22	16,31	LINALOOL	1,96
23	16,50	alpha-GURJUNENE	0,04
24	16,65	beta1-CUBEBENE	0,06
25	17,63	epsilon-CADINENE	0,12
26	17,80	3,5-HEPTADIENE-2-ONE, 6-METHYL-	0,07
27	17,90	beta-ELEMENE	0,06
28	18,12	beta-CUBEBENE	0,10
29	18,23	beta-CARYOPHYLLENE	0,53
30	18,39	CITRONELLYL FORMATE	5,30
31		6,9-GUAIADIENE	

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
32	18,58	NEOISOMENTHOL	0,14
33	18,83	SESQUITERPENE	0,20
34	19,09	CADINA-3,5-DIENE	0,05
35	19,28	GERMACRENE A	0,14
36	19,39	CITRONELLYL ACETATE	0,15
37	19,46	ALLO-AROMADENDRENE	0,14
38	19,59	NERYL FORMATE	0,12
39	19,72	ZONARENE	0,08
40	19,89	AROMATIC COMPOUND	0,07
41	20,02	NERAL	0,57
42		alpha-HUMULENE	
43	20,18	SESQUITERPENE	0,05
44	20,25	alpha-TERPINEOL	0,15
45	20,45	GERANYL FORMATE	4,00
46	20,64	SESQUITERPENE	0,05
47	21,00	SESQUITERPENE	0,36
48		CITRONELLYL PROPIONATE	
49	21,23	GERANIAL	1,16
50		SESQUITERPENE	
51	21,41	AGAROFURAN alpha-DIHYDRO-	0,12
52	21,57	BICYCLOGERMACRENE	0,29
53	21,66	GERANYL ACETATE	0,57
54	21,83	CITRONELLOL	25,74
55	22,02	delta-CADINENE	0,53
56	22,16	gamma-CADINENE	0,15
57	22,30	7-épi-alpha-SELINENE	0,07
58	22,59	NEROL	0,49
59	22,74	CADINA-1,4-DIENE	0,06
60	22,82	CITRONELLYL BUTYRATE	0,18
60	22,56	AGAROFURAN alpha-DIHYDRO-	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
61	23,04	NERYL BUTYRATE	0,20
62	23,19	GERANYL PROPIONATE	0,45
63	23,70	GERANIOL	21,40
64	23,83	CALAMENENE	0,24
65	24,32	BENZYL ALCOHOL	0,05
66	24,70	2-PHENYLETHYL ISOBUTYRATE	0,12
67	23,70	2-PHENYLETHYL BUTYRATE	0,43
68	24,93	GERANYL BUTYRATE	0,42
69	25,03	NERYL METHYLBUTYRATE	0,26
70	25,17	PHENYLETHYL ALCOHOL	0,15
71	25,37	alpha-AGAROFURAN	0,45
72	25,49	ALIPHATIC ESTER	0,05
73	26,03	AROMATIC COMPOUND	0,05
74	26,16	CUBEBOL	0,33
75	26,76	PHENYLETHYLIC ESTER	0,06
76	27,11	CITRONELLYL ISOVALERATE	0,08
77	27,20	ALIPHATIC ESTER	0,04
78	27,42	CARYOPHYLLENE OXIDE	0,25
79	27,59	CITRONELLYL TIGLATE	0,26
80	28,08	ALIPHATIC ESTER	0,04
81	28,22	GERANYL VALERATE	0,11
82	28,63	EPOXY-6,7-HUMULENE	0,11
83	28,79	epi-CUBENOL	0,18
84	28,83	SESQUITERPENOL	0,04
85	28,98	CUBENOL	0,10
86	29,06	ELEMOL	0,08
87	29,23	SESQUITERPENOL	0,08
88	29,33	CITRONELIC ESTER	0,11
89	29,51	COMPOUND Mw=234	0,04
90	29,65	PHENYLETHYLIC ESTER	0,06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
91	29,72	GERANYL TIGLATE	1,69
92	29,85	10-epi-gamma-EUDESOL	4,47
93	30,00	SESQUITERPENOL	0,04
94	30,10	SPATHULENOL	0,33
95	30,43	COMPOUND Mw=236	0,06
96	30,63	7-epi-beta-EUDESOL	0,09
97	30,73	GUAIOL ISOMER	0,04
98	31,00	AGAROSPIROL	0,10
99	31,19	MINT SULFIDE	1,10
100	31,27	SESQUITERPENOL	0,17
101	31,41	beta-PHENYLETHYL TIGLATE	1,10
102	31,53	SESQUITERPENOL	0,07
103	31,69	SESQUITERPENOL	0,15
104	31,92	VALERIANOL	0,34
105	32,08	SESQUITERPENOL	0,06
106	32,18	alpha-EUDESOL	0,17
107	32,24	CITRONELIC ACID	0,32
108	32,31	beta-EUDESOL	0,35
109	32,40	4-HYDROXY-DIHYDRO-alpha-AGAROFURAN	0,41
110	32,84	AROMATIC COMPOUND	0,04
111	32,91	9-NONADECENE	0,18
112	33,11	NERIC ACID	0,07
113	33,27	GERANIC ESTER	0,09
114	33,52	AROMATIC COMPOUND	0,06
115	33,62	AROMATIC COMPOUND	0,04
116	33,93	AROMATIC COMPOUND	0,10
117	33,94	GERANIC ACID	0,94
118	34,09	SESQUITERPENIC COMPOUND	0,13
119	34,23	AROMATIC COMPOUND	0,06
120	34,36	AROMATIC COMPOUND	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
121	34,80	SESQUITERPENIC COMPOUND	0,11
122	34,90	ALIPHATIC COMPOUND	0,22
123	35,47	AROMATIC COMPOUND	0,04
124	35,72	ALIPHATIC ESTER	0,04
125	36,04	SESQUITERPENIC COMPOUND	0,05
126	36,82	ALIPHATIC COMPOUND	0,12
127	37,05	ALIPHATIC ESTER	0,05
128	37,85	SESQUITERPENIC COMPOUND	0,05
129	38,39	SESQUITERPENIC COMPOUND	0,04
130	38,57	SESQUITERPENIC COMPOUND	0,05
131	38,67	AROMATIC COMPOUND	0,04
132	38,89	SESQUITERPENIC COMPOUND	0,04
133	39,14	ETHYL LINOLENATE	0,16
134	39,31	PHYTOL	0,09
135	39,62	AROMATIC COMPOUND	0,04
136	39,85	SESQUITERPENOL	0,13
137	39,99	SESQUITERPENOL	0,06
138	40,71	SESQUITERPENOL	0,08
139	41,61	MYRISTIC ACID	0,07
140	42,60	AROMATIC COMPOUND	0,05
141	43,29	ZINGERONE	0,09
142	44,23	ALIPHATIC ESTER	0,06
143	46,29	PALMITIC ACID	0,45
144	46,83	SESQUITERPENIC COMPOUND	0,04
145	47,47	SESQUITERPENIC COMPOUND	0,09
146	48,38	SESQUITERPENIC COMPOUND	0,09
147	50,41	AROMATIC COMPOUND	0,15
148	51,87	AROMATIC COMPOUND	0,10
149	54,59	ALIPHATIC ESTER	0,10
150	56,49	AROMATIC COMPOUND	0,05

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: GERANIUM ABSOLUTE - 12038

Peak	RT (min)	Compound name	%
151	58,65	LINOLEIC ACID	0,12
152	62,88	LINOLENIC ACID	2,29
153	65,05	AROMATIC COMPOUND	0,11
154	70,28	AROMATIC COMPOUND	0,47
155	79,38	ALIPHATIC ESTER	0,19
		TOTAL	98,38

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