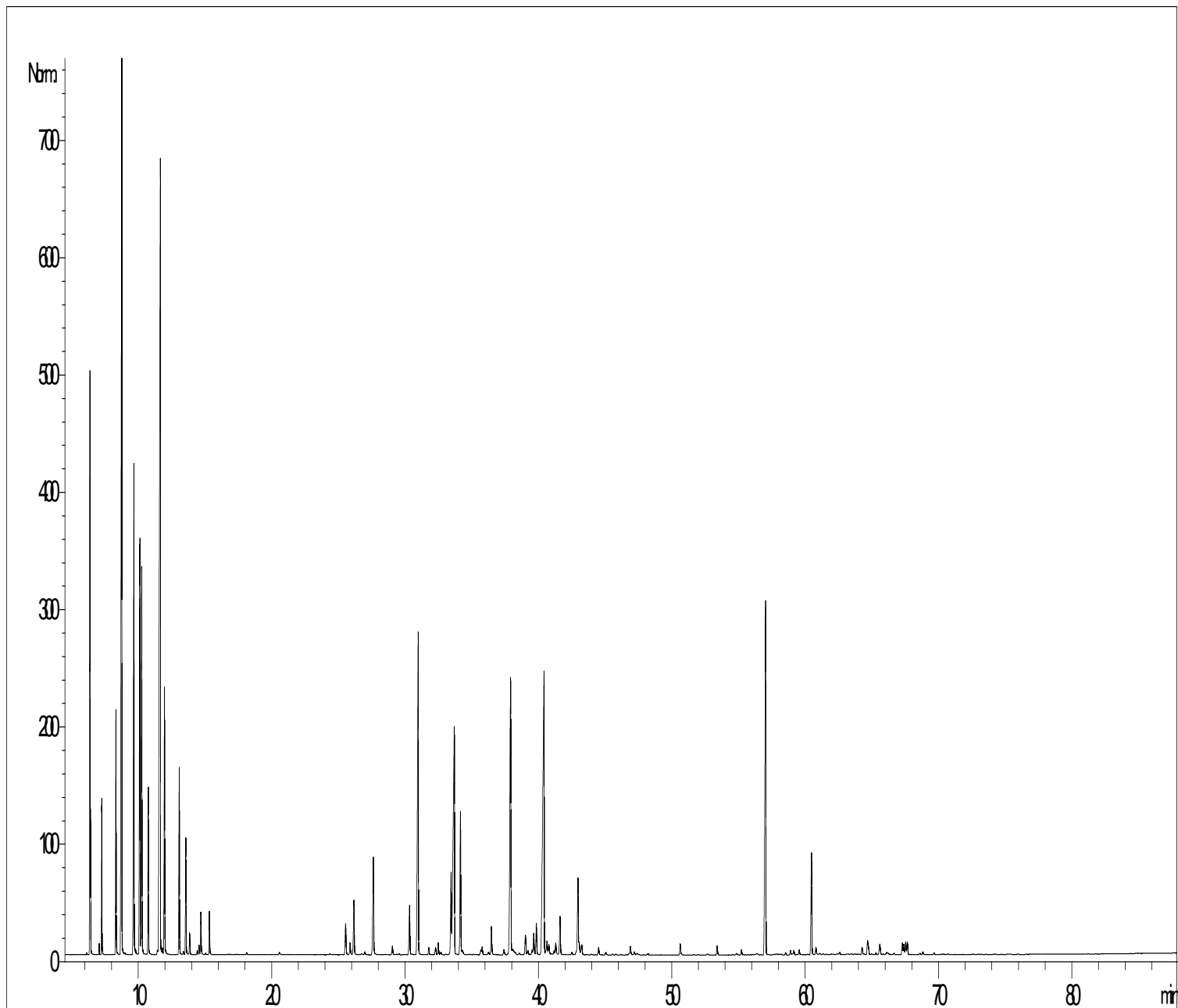


GCMS ANALYSIS

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

DATE: July 3, 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: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
1	6,1	TRICYCLENENE	0,01
2	6,3	<b>alpha-PINENE</b>	<b>3,96</b>
3	6,4	alpha-THUYENE	0,85
4	7,0	alpha-FENCHENE	0,08
5	7,3	CAMPHERE	1,18
6	8,3	beta-PINENE	2,21
7	8,8	<b>SABINENE</b>	<b>10,63</b>
8	9,0	PINADIENE	0,02
9	9,6	<b>delta3-CARENE</b>	<b>5,17</b>
10	9,8	TERPINENE ISOMER	0,07
11	10,1	<b>beta-MYRCENE</b>	<b>4,30</b>
12	10,2	<b>alpha-PHELLANDRENE</b>	<b>4,41</b>
13	10,3	TERPENE ISOMER	0,06
14	10,7	alpha-TERPINENE	1,52
15	11,4	ISOSYLVESTRENE	0,05
16	11,6	<b>LIMONENE</b>	<b>13,31</b>
17	11,8	TERPENE ISOMERE	0,07
18	11,9	<b>beta-PHELLANDRENE</b>	<b>2,69</b>
19	13,0	Cis-beta-OCIMENE	1,84
20	13,3	TERPENE ISOMER	0,04
21	13,5	gamma-TERPINENE	1,18
22	13,9	Trans-beta-OCIMENE	0,22
23	14,4	2-HEPTYL ACETATE	0,04
24	14,5	m-CYMENE	0,11
25	14,6	p-CYMENE	0,48
26	15,0	ISOTERPINOLENE	0,02
27	15,3	TERPINOLENE	0,47
28	16,7	1,3,7-NONATRIENE, 4,8-DIMETHYL	0,01
29	18,1	TERPENIC ESTER	0,03
30	20,5	ALLO-OCIMENE	0,04

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
31	24,3	LINALOL Cis-OXIDE	0,02
32	25,5	alpha-CUBEBENE	0,47
33	25,8	Trans-THUYANOL	0,12
34	25,9	ELEMENE ISOMER	0,06
35	26,1	delta-ELEMENE	0,79
36	26,7	BICYCLOELEMENE	0,02
37	26,9	YLANGENE	0,05
38	27,6	alpha-COPAENE	1,50
39	29,0	AROMATIC COMPOUND + beta-BOURBONENE	0,13
40	29,5	alpha-GURJUNENE	0,02
41	30,3	beta1-CUBEBENE	0,71
42	30,8	Cis-THUYANOL	0,03
43	30,9	<b>LINALOOL</b>	<b>5,01</b>
44	31,7	Trans-p-MENTH-2-EN-1-OL	0,09
45	32,2	epsilon-CADINENE	0,11
46	32,4	BORNYL ACETATE	0,17
47	32,6	SESQUITERPENE	0,05
48	33,4	beta-ELEMENE + beta-CUBEBENE	1,11
49	33,6	<b>beta-CARYOPHYLLENE</b>	<b>5,27</b>
50	34,1	<b>TERPINENE-4-OL</b>	<b>1,91</b>
51	34,3	6,9-GUAIADIENE	0,09
52	35,6	Cis-p-MENTH-2-EN-1-OL	0,08
53	35,8	CADINA-3,5-DIENE	0,11
54	36,2	SESQUITERPENE	0,05
55	36,5	ALLO-AROMADENDRENE	0,42
56	37,4	ZONARENE	0,09
57	37,9	<b>ESTRAGOL</b>	<b>3,78</b>
58	38,0	alpha-HUMULENE	1,13
59	38,1	Cis-4,5-MUUROLADIENE	0,09
60	38,2	E-beta-FARNESENE	0,05

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
61	38,3	gamma-SELINENE	0,06
62	38,5	Cis-PIPERITOL	0,03
63	39,0	gamma-MUUROLENE	0,32
64	39,2	SESQUITERPENE	0,07
65	39,5	TERPENYL ACETATE	0,06
66	39,6	alpha-TERPINEOL	0,41
67	39,8	BORNEOL	0,33
68	40,4	<b>GERMACRENE D</b>	<b>6,94</b>
69	40,6	SESQUITERPENE	0,27
70	40,7	SESQUITERPENE	0,18
71	41,1	alpha-SELINENE	0,07
72	41,2	alpha-MUUROLENE	0,19
73	41,6	BICYCLOGERMACRENE	0,57
74	42,4	Trans-PIPERITOL	0,04
75	42,8	alpha-FARNESENE	0,04
76	42,9	delta-CADINENE	1,14
77	43,0	gamma-CADINENE	0,18
78	43,2	7-epi-alpha-SELINENE	0,18
79	44,5	CADINA-1,4-DIENE	0,11
80	45,0	alpha-AMORPHENE	0,04
81	45,5	NEROL	0,01
82	46,8	GERMACRENE B	0,15
83	47,1	Cis-CALAMENENE	0,05
84	47,3	Trans-CALAMENENE	0,03
85	48,1	GERANIOL	0,02
86	50,6	Epi-CUBEBOL	0,17
87	52,6	PALUSTROL	0,02
88	53,3	CUBEBOL	0,13
89	54,8	SESQUITERPENOL	0,03
90	55,2	CARYOPHYLLENE OXIDE	0,08

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
91	57,0	<b>METHYLEUGENOL</b>	<b>5,75</b>
92	57,7	SESQUITERPENOL	0,01
93	57,8	LEDOL	0,02
94	58,0	SESQUITERPENOL	0,02
95	58,2	SESQUITERPENOL	0,01
96	58,5	NEROLIDOL	0,03
97	58,8	GERMACRA-1,5-DIEN-4-OL	0,07
98	59,0	LEVOJUNEOL	0,01
99	59,1	EPI-CUBENOL	0,07
100	59,5	CUBENOL	0,07
101	60,1	GLOBULOL	0,01
102	60,5	ELEMOL	1,46
103	60,8	GUAIOL	0,12
104	61,1	SESQUITERPENOL	0,03
105	61,3	10-épi-gamma-EUDESMOL	0,02
106	62,3	EUDESMOL ISOMERE	0,02
107	62,5	SPATHULENOL	0,03
108	63,7	SESQUITERPENOL	0,01
109	64,2	EUGENOL	0,11
110	64,3	SESQUITERPENOL	0,01
111	64,6	gamma- EUDESMOL	0,20
112	64,7	T-CADINOL	0,10
113	64,9	SESQUITERPENOL	0,02
114	65,3	SESQUITERPENOL	0,03
115	65,4	Trans-METHYLISOEUGENOL	0,12
116	65,5	alpha-MUUROLOL	0,10
117	65,8	SESQUITERPENOL	0,02
118	66,1	delta-CADINOL	0,05
119	66,2	SESQUITERPENOL	0,04
120	66,6	BULNESOL	0,03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
121	67,2	alpha-EUDESOL	0,17
122	67,3	ELEMICINE	0,15
123	67,5	beta-EUDESOL	0,20
124	67,6	alpha-CADINOL	0,19
125	68,6	EUDESOL ISOMER	0,03
126	68,8	beta-NOOTKATOL	0,04
127	69,6	SESQUITERPENOL	0,03
128	70,2	SESQUITERPENOL	0,01
129	70,3	SESQUITERPENOL	0,01
130	70,7	SESQUITERPENOL	0,02
131	72,9	ISOEUGENOL	0,01
132	73,5	SESQUITERPENIC EPOXIDE	0,01
133	81,2	METHOXYEUGENOL	0,01
		<b>TOTAL</b>	<b>99,99</b>

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