



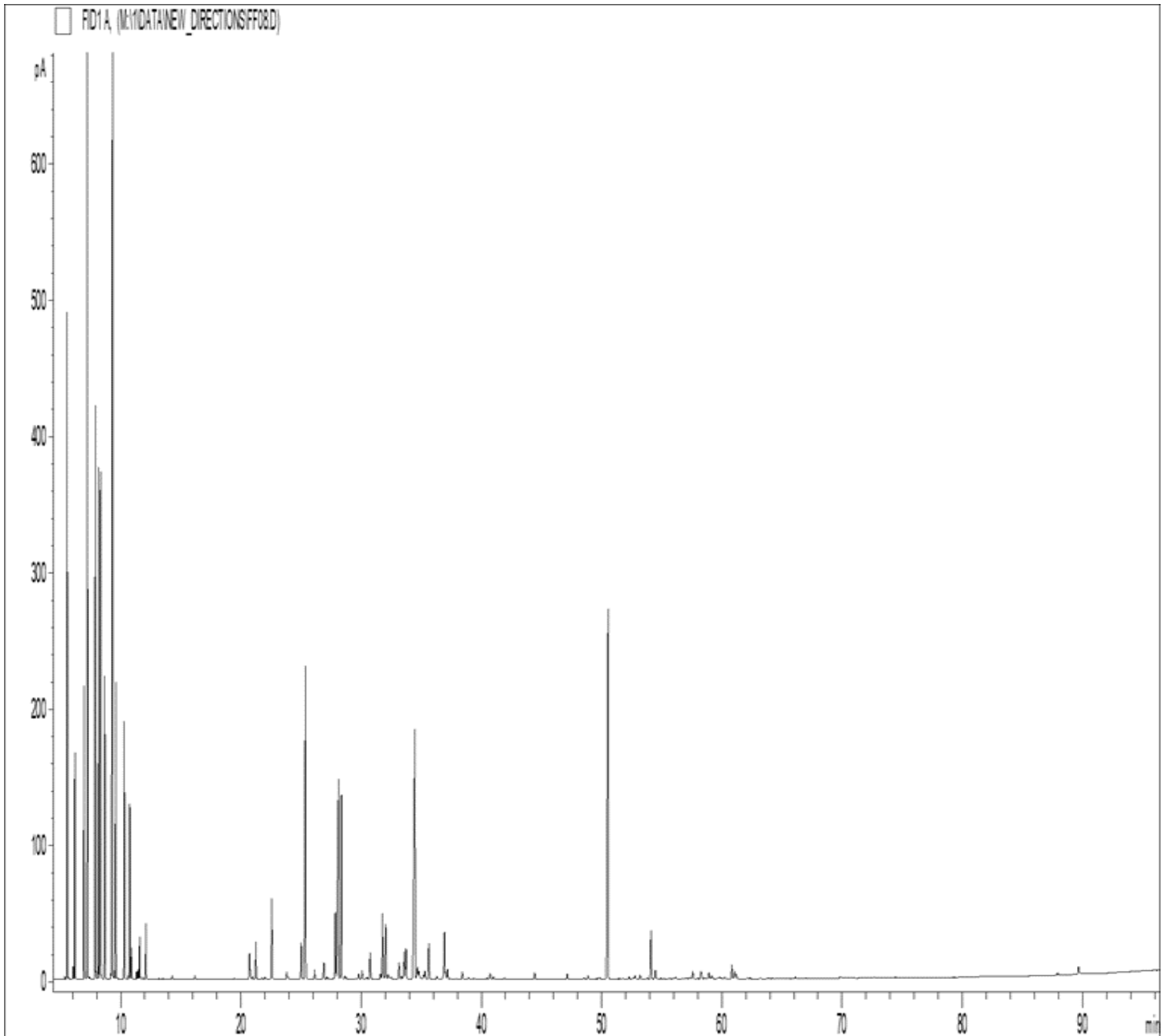
NEW DIRECTIONS
A R O M A T I C S

NATURAL INGREDIENTS ETHICALLY SOURCED

GCMS ANALYSIS

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

DATE: August 09, 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: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
1	5,36	TRICYCLENE	0,02
2	5,55	alpha-PINENE	4,24
3	5,56	alpha-THUYENE	0,89
4	6,05	alpha-FENCHENE	0,09
5	6,19	CAMPHENE	1,59
6	6,96	beta-PINENE	2,40
7	7,23	SABINENE	9,71
8	7,42	TERPENE ISOMER	0,02
9	7,89	delta3-CARENE	5,31
10	7,97	TERPENE ISOMER	0,08
11	8,15	beta-MYRCENE	4,64
12	8,31	alpha-PHELLANDRENE	4,83
13	8,37	TERPENE ISOMER	0,04
14	8,67	alpha-TERPINENE	2,65
15	9,15	ISOSYLVESTRENE	0,07
16	9,31	LIMONENE	12,97
17	9,45	TERPENE ISOMER	0,08
18	9,57	1,8-CINEOLE	0,83
19	9,58	beta-PHELLANDRENE	2,03
20	10,30	cis-beta-OCIMENE	2,49
21	10,58	TERPENE ISOMER	0,04
22	10,74	gamma-TERPINENE	1,73
23	10,89	trans-beta-OCIMENE	0,31
24	11,31	2-HEPTYL ACETATE	0,07
25	11,45	m-CYMENE	0,11
26	11,57	p-CYMENE	0,45
27	11,85	ISOTERPINOLENE	0,02
28	12,08	TERPINOLENE	0,60
29	13,19	ALIPHATIC ESTER	0,01
30	14,28	TERPINOLENE ISOMER	0,05

Disclaimer & Caution:

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
31	16,16	ALLO-OCIMENE	0,05
32	16,93	LINALOOL cis-OXIDE	0,01
33	20,71	alpha-CUBEBENE	0,40
34	20,78	trans-THUYANOL	0,12
35	20,98	BICYCLOELEMENE	0,05
36	21,25	delta-ELEMENE	0,57
37	21,75	ELEMENE ISOMER	0,02
38	22,01	YLANGENE	0,04
39	22,58	alpha-COPAENE	1,29
40	23,81	DIHYDROEDULAN ISOMER	0,12
41	23,88	alpha-GURJUNENE	0,04
42	25,03	beta1-CUBEBENE	0,59
43	25,38	LINALOOL	5,44
44	26,14	trans-p-MENTH-2-EN-1-OL	0,14
45	26,90	epsilon-CADINENE	0,04
46	26,91	BORNYL ACETATE	0,30
47	27,15	SESQUITERPENE	0,05
48	27,30	ELEMENE ISOMER	0,02
49	27,68	SESQUITERPENE	0,01
50	27,86	beta-ELEMENE	1,03
51	28,12	beta-CARYOPHYLLENE	4,64
52	28,36	TERPINENE-4-OL	2,99
53	28,68	6,9-GUAIADIENE	0,05
54	29,78	cis-p-MENTH-2-EN-1-OL	0,10
55	30,08	CADINA-3,5-DIENE	0,16
56	30,50	GERMACRENE A	0,04
57	30,75	ALLO-AROMADENDRENE	0,46
58	31,62	ZONARENE	0,09
59	31,78	ESTRAGOL	1,05
60	32,04	alpha-HUMULENE	0,98

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: RAVENSARA WILD ESSENTIAL OIL - 11122

Peak	RT (min)	Compound name	%
61	32,24	E-beta-FARNESENE	0,09
62	32,42	gamma-SELINENE	0,04
63	32,52	cis-PIPERITOL	0,03
64	33,15	gamma-MUUROLENE	0,31
65	33,35	SESQUITERPENE	0,05
66	33,58	alpha-TERPINEOL	0,48
67	33,73	BORNEOL	0,56
68	34,47	GERMACRENE D	6,36
69	34,69	SESQUITERPENE	0,27
70	34,82	EREMOPHILENE	0,16
71	35,19	alpha-SELINENE	0,07
72	35,31	alpha-MUUROLENE	0,15
73	35,64	BICYCLOGERMACRENE	0,62
74	36,30	trans-PIPERITOL	0,05
75	36,92	delta-CADINENE	0,86
76	37,01	gamma-CADINENE	0,10
77	37,19	7-epi-alpha-SELINENE	0,20
78	37,89	AROMATIC COMPOUND	0,01
79	38,41	CADINA-1,4-DIENE	0,13
80	38,93	alpha-AMORPHENE	0,03
81	39,29	NEROL	0,01
82	39,47	SESQUITERPENE	0,01
83	40,46	SESQUITERPENE	0,02
84	40,72	GERMACRENE B	0,12
85	41,00	CALAMENENE	0,05
86	41,90	GERANIOL	0,02
87	44,43	Epi-CUBEBOL	0,12
88	47,14	CUBEBOL	0,08
89	48,52	AROMATIC COMPOUND	0,03
90	48,86	CARYOPHYLENE OXIDE	0,06

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GCMS ANALYSIS (cont'd.)

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Peak	RT (min)	Compound name	%
91	49,83	ALIPHATIC ESTER	0,04
92	50,52	METHYLEUGENOL	7,18
93	51,53	LEDOL	0,01
94	51,77	SESQUITERPENOL	0,02
95	52,28	NEROLIDOL	0,04
96	52,56	GERMACRA-1,5-DIEN-4-OL	0,01
97	52,67	JUNEOL	0,02
98	52,79	Epi-CUBENOL	0,06
99	53,19	CUBENOL	0,07
100	53,80	GLOBULOL	0,02
101	54,10	ELEMOL	0,81
102	54,47	GUAJOL	0,15
103	54,93	SESQUITERPENOL	0,01
104	55,61	10-epi-gamma-EUDESOL	0,01
105	55,98	SPATHULENOL	0,02
106	57,57	EUGENOL	0,14
107	58,26	gamma-EUDESOL	0,10
108	58,27	T-CADINOL	0,04
109	58,32	SESQUITERPENOL	0,04
110	58,93	METHYLISOEUGENOL	0,12
111	59,16	alpha-MUUROLOL	0,06
112	59,71	SESQUITERPENOL	0,03
113	59,84	CADINOL ISOMER	0,03
114	59,99	BULNESOL	0,02
115	60,24	alpha-EUDESOL	0,03
116	60,83	ELEMICIN	0,27
117	61,07	alpha-CADINOL	0,14
118	61,20	EUDESMA-7(11)-EN-4-OL	0,08
119	62,14	beta-NOOTKATOL	0,02
120	62,36	SESQUITERPENOL	0,02
		TOTAL	99,95

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