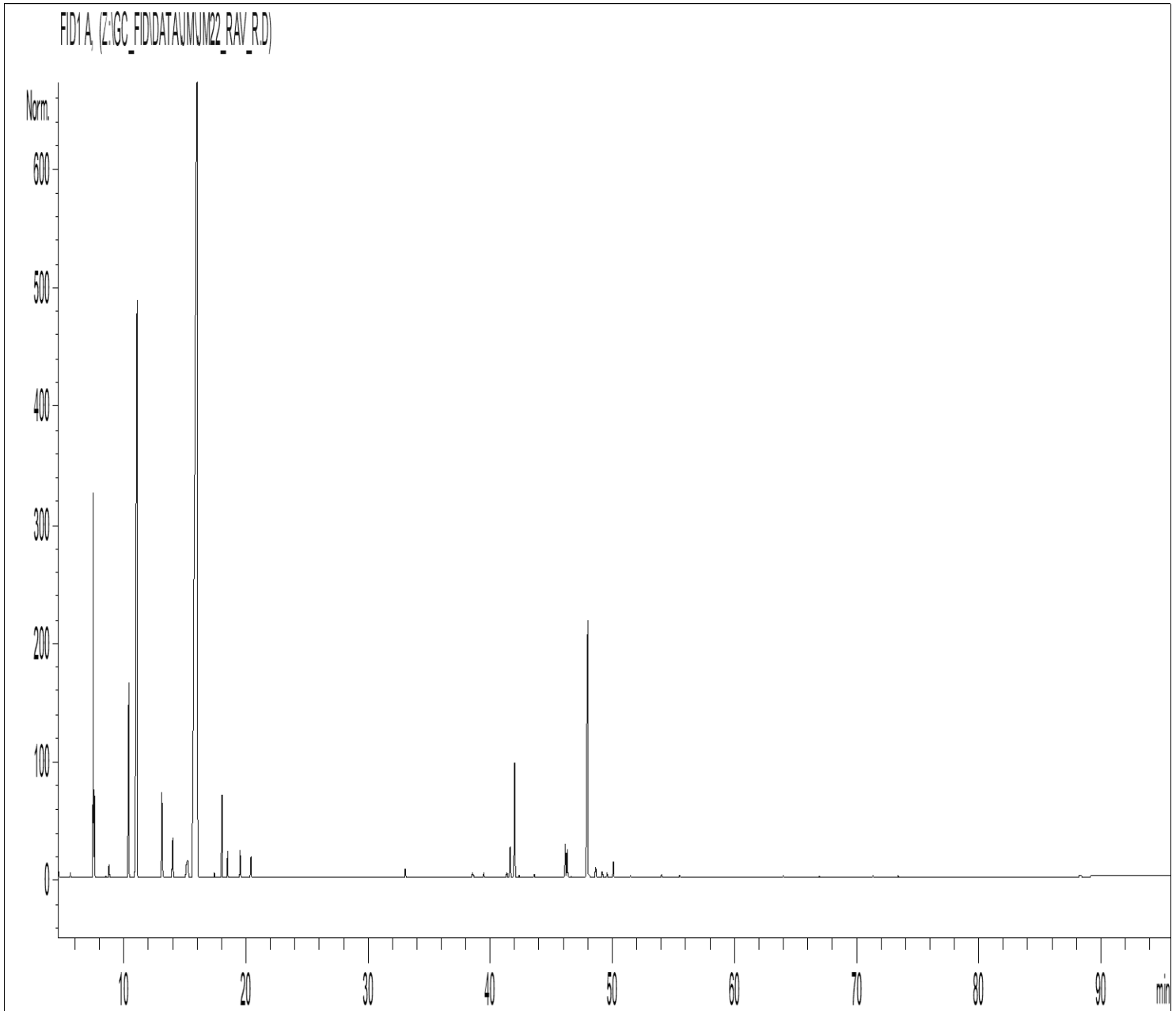


GCMS ANALYSIS

PRODUCT NAME: RAVINTSARA ESSENTIAL OIL - 11338

DATE: April 21, 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: RAVINTSARA ESSENTIAL OIL– 11338

Peak	RT (min)	Compound name	%
1	5,65	ETHANOL	0,05
2	7,53	<b>alpha-PINENE</b>	<b>4,88</b>
3	7,59	alpha-THUYENE	0,91
4	8,51	alpha-FENCHENE	0,02
5	8,78	CAMPHENE	0,19
6	10,39	<b>beta-PINENE</b>	<b>3,54</b>
7	11,06	<b>SABINENE</b>	<b>13,72</b>
8	13,12	beta-MYRCENE	1,54
9	13,16	alpha-PHELLANDRENE	0,10
10	13,99	alpha-TERPINENE	0,87
11	14,56	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
12	15,19	LIMONENE	0,85
13	16,04	<b>1,8-CINEOLE</b>	<b>57,48</b>
14	17,40	cis-beta-OCIMENE	0,08
15	18,03	gamma-TERPINENE	1,44
16	18,48	trans-beta-OCIMENE	0,43
17	19,52	p-CYMENE	0,47
18	20,40	TERPINOLENE	0,38
19	27,33	3-HEXEN-1-OL	0,01
20	32,76	alpha-CUBEBENE	0,02
21	33,06	trans-THUYANOL	0,18
22	33,51	delta-ELEMENE	0,01
23	34,19	BICYCLOELEMENE	0,02
24	34,38	YLANGENE	0,02
25	35,00	alpha-COPAENE	0,01
26	36,68	beta-BOURBONENE	0,01
27	37,36	alpha-GURJUNENE	0,01
28	38,56	cis-THUYANOL	0,11
29	38,64	LINALOOL	0,04
30	39,41	PINOCARVONE	0,01

**Disclaimer & Caution:**

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

**PRODUCT NAME: RAVINTSARA ESSENTIAL OIL– 11338**

Peak	RT (min)	Compound name	%
31	39,48	trans-p-MENTH-2-EN-1-OL	0,09
32	40,24	epsilon-CADINENE	0,01
33	41,37	beta-ELEMENE	0,11
34	41,65	beta-CARYOPHYLLENE	0,64
35	42,02	TERPINENE-4-OL	2,36
36	42,39	AROMADENDRENE	0,04
37	43,32	MYRTENAL	0,01
38	43,62	cis-p-MENTH-2-EN-1-OL	0,07
39	44,42	GERMACRENE A	0,03
40	44,70	ALLO-AROMADENDRENE	0,01
41	45,06	trans-PINOCARVEOL	0,01
42	46,05	ZONARENE	0,01
43	46,16	alpha-HUMULENE	0,70
44	46,32	delta-TERPINEOL	0,56
45	46,62	gamma-SELINENE	0,02
46	46,74	cis-PIPERITOL	0,01
47	47,42	gamma-MUUROLENE	0,02
48	47,66	LEDENE	0,01
49	48,00	<b>alpha-TERPINEOL</b>	<b>6,60</b>
50	48,07	BORNEOL	0,16
51	48,66	GERMACRENE D	0,21
52	49,19	beta-SELINENE	0,12
53	49,59	alpha-SELINENE	0,11
54	50,10	BICYCLOGERMACRENE	0,32
55	50,79	trans-PIPERITOL	0,03
56	51,49	delta-CADINENE	0,03
57	51,54	gamma-CADINENE	0,01
58	51,72	CITRONELLOL	0,01
59	54,02	NEROL	0,07
60	55,53	GERMACRENE B	0,05

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

**PRODUCT NAME: RAVINTSARA ESSENTIAL OIL – 11338**

Peak	RT (min)	Compound name	%
61	56,52	p-CYMENE-8-OL	0,01
62	63,99	CARYOPHYLLENE OXIDE	0,03
63	66,95	EPOXY-6,7-HUMULENE	0,02
64	69,17	GLOBULOL	0,01
65	69,35	cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,02
66	69,61	GUAIOL	0,01
67	71,31	SPATHULENOL	0,03
68	73,38	SORBIC ACID	0,02
69	77,48	EUDESMA-7(11)-EN-4-OL	0,01
		<b>TOTAL</b>	<b>100,00</b>

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