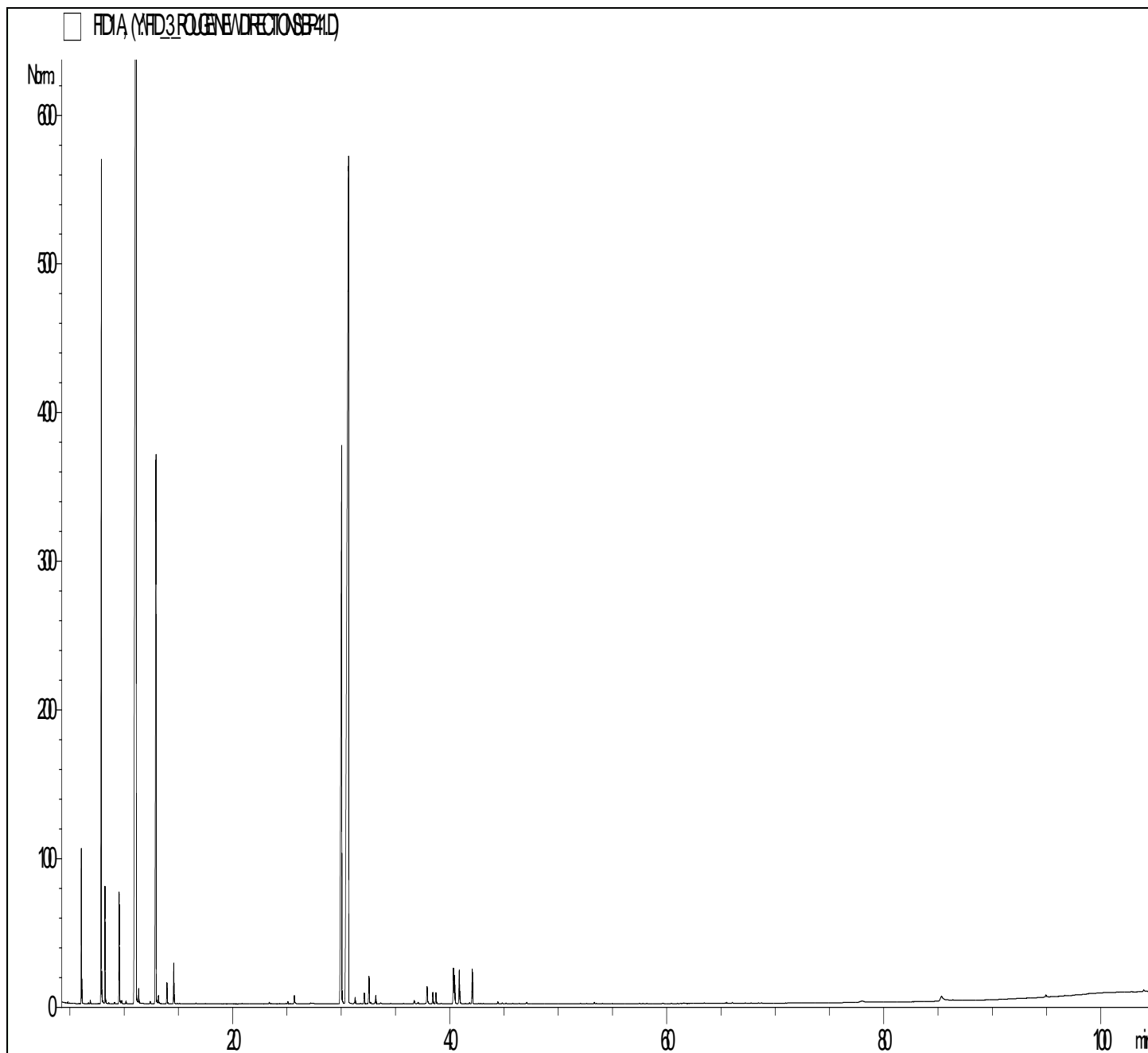


GCMS ANALYSIS

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL - 11009  
DATE: June 9, 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: BERGAMOT (CALABRIAN) ESSENTIAL OIL - 11009

Peak	RT (min)	Compound name	%
1	4,79	ETHANOL	0,01
2	6,04	alpha-PINENE	1,01
3	6,07	alpha-THUYENE	0,15
4	6,68	alpha-FENCHENE	0,01
5	6,87	CAMPHENE	0,03
6	7,89	<b>beta-PINENE</b>	<b>7,58</b>
7	8,22	SABINENE	0,98
8	8,57	TERPENIC COMPOUND Mw=136	0,01
9	9,11	delta3-CARENE	0,01
10	9,53	beta-MYRCENE	1,05
11	9,62	alpha-PHELLANDRENE	0,03
12	9,75	psi-LIMONENE	0,04
13	10,16	alpha-TERPINENE	0,03
14	11,10	<b>LIMONENE</b>	<b>37,42</b>
15	11,32	beta-PHELLANDRENE	0,16
16	12,38	cis-beta-OCIMENE	0,03
17	12,92	<b>gamma-TERPINENE</b>	<b>7,39</b>
18	13,15	trans-beta-OCIMENE	0,09
19	13,93	p-CYMENE	0,24
20	14,55	TERPINOLENE	0,44
21	14,88	ISOTERPINOLENE	0,01
22	15,09	OCTANAL	0,01
23	16,61	PINOL	0,01
24	17,48	6-METHYL-5-HEPTEN-2-ONE	0,01
25	20,86	NONANAL	0,01
26	23,38	alpha,p-DIMETHYLSTYRENE	0,01
27	23,55	LINALOOL cis-OXIDE	0,03
28	24,34	LIMONENE trans-OXIDE	0,01
29	24,83	epoxy-4,8-TERPINOLENE	0,01
30	24,92	trans-THUYANOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL - 11009

Peak	RT (min)	Compound name	%
31	25,09	LINALOOL trans-OXIDE	0,04
32	25,30	Delta-ELEMENE	0,01
33	25,68	OCTYL ACETATE	0,13
34	27,17	DECANAL	0,03
35	27,44	CAMPHOR	0,02
36	29,31	cis-THUYANOL	0,01
37	30,04	<b>LINALOOL</b>	<b>10,66</b>
38	30,68	<b>LINALYL ACETATE</b>	<b>28,57</b>
39	31,19	EPOXYTERPENIC ESTER Mw=152	0,02
40	31,28	EPOXYTERPENIC ESTER Mw=152	0,09
41	31,78	BORNYL ACETATE	0,02
42	32,13	alpha-trans-BERGAMOTENE	0,15
43	32,41	beta-ELEMENE	0,01
44	32,56	beta-CARYOPHYLLENE	0,38
45	32,72	SESQUITERPENE	0,03
46	33,09	TERPINENE-4-OL	0,02
47	33,19	HOTRIENOL	0,11
48	33,63	LINALYL PROPIONATE	0,02
49	34,56	cis-p-2,8-MENTHADIEN-1-OL	0,01
50	34,74	beta-SANTALENE	0,01
51	36,73	CITRONELLYL ACETATE	0,05
52	37,04	trans-p-2,8-MENTHADIEN-1-OL	0,01
53	37,09	E-beta-FARNESENE	0,03
54	37,91	NERAL	0,26
55	37,99	Z-beta-FARNESENE	0,03
56	38,44	TERPENYL ACETATE	0,16
57	38,73	alpha-TERPINEOL	0,16
58	39,22	GERMACRENE D	0,02
59	40,35	NERYL ACETATE	0,46
60	40,45	<b>beta-BISABOLENE</b>	<b>0,40</b>

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL - 11009

Peak	RT (min)	Compound name	%
61	40,52	CARVONE	0,02
62	40,88	<b>GERANIAL</b>	<b>0,50</b>
63	41,82	alpha-FARNESENE	0,02
64	42,09	GERANYL ACETATE	0,45
65	42,67	CITRONELLOL	0,01
66	42,85	beta-SESQUIPHELLANDRENE	0,01
67	43,09	alpha-BISABOLENE	0,01
68	44,44	NEROL	0,03
69	44,85	cis-EPOXILINALYL ACETATE	0,01
70	45,19	trans-EPOXYLINALYL ACETATE	0,01
71	45,81	GERMACRENE B	0,01
72	46,39	trans-CARVEOL	0,01
73	47,10	GERANIOL	0,02
74	53,33	HEXENYLIC ESTER	0,02
75	57,48	NEROLIDOL	0,01
76	63,46	SESQUITERPENOL	0,01
77	65,52	GERANYLGERANIADIENE ISOMER	0,02
78	66,05	alpha-BISABOLOL	0,01
79	68,74	13-HEXYLOXACYCLOTRIDEC-10-EN-2-ONE Mw=280	0,01
80	94,94	LIMETTIN	0,04
		<b>TOTAL</b>	<b>99,98</b>

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