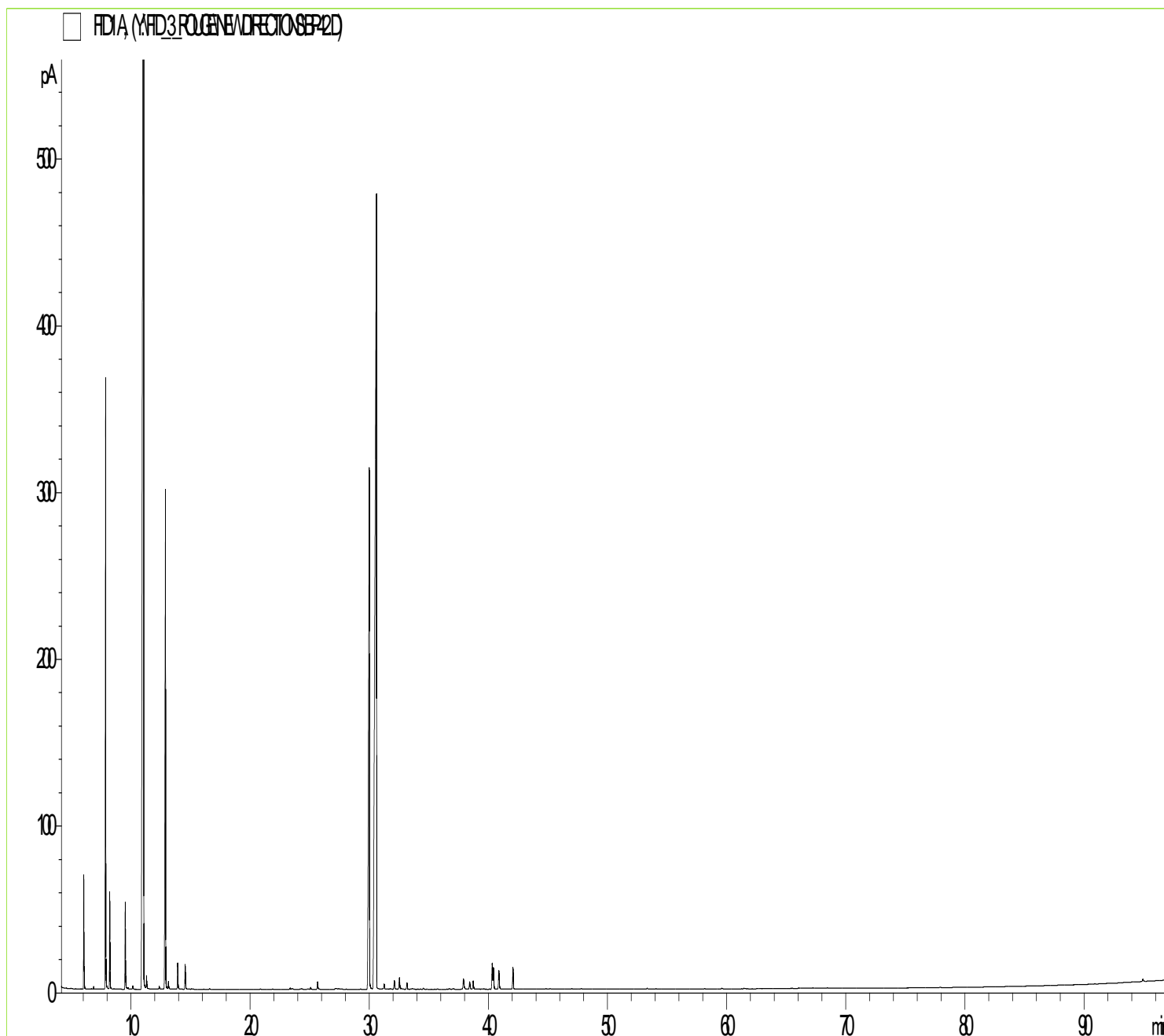


GCMS ANALYSIS

PRODUCT NAME: BERGAMOT - BERGAPTENE FREE (CALABRIAN) ESSENTIAL OIL - 11227
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 - BERGAPTENE FREE (CALABRIAN) ESSENTIAL OIL - 11227

Peak	RT (min)	Compound	%
1	4,13	ACETONE	0,05
2	6,04	alpha-PINENE	0,90
3	6,08	alpha-THUYENE	0,16
4	6,68	alpha-FENCHENE	0,01
5	6,87	CAMPHENE	0,03
6	7,89	beta-PINENE	6,23
7	8,22	SABINENE	0,99
8	9,53	beta-MYRCENE	0,99
9	9,62	alpha-PHELLANDRENE	0,03
10	9,75	psi-LIMONENE	0,02
11	10,16	alpha-TERPINENE	0,05
12	11,06	LIMONENE	38,85
13	11,32	beta-PHELLANDRENE	0,18
14	12,38	cis-beta-OCIMENE	0,04
15	12,92	gamma-TERPINENE	7,55
16	13,15	trans-beta-OCIMENE	0,12
17	13,93	p-CYMENE	0,36
18	14,55	TERPINOLENE	0,35
19	15,09	OCTANAL	0,02
20	16,59	PINOL	0,02
21	23,38	alpha,p-DIMETHYLSTYRENE	0,02
22	23,55	LINALOOL cis-OXIDE	0,02
23	24,34	LIMONENE trans-OXIDE	0,02
24	25,09	LINALOOL trans-OXIDE	0,03
25	25,68	OCTYL ACETATE	0,12
26	27,17	DECANAL	0,04
27	27,44	CAMPHOR	0,02
28	30,04	LINALOOL	11,34
29	30,68	LINALYL ACETATE	28,53
30	31,19	EPOXYTERPENIC ESTER Mw=152	0,01

Disclaimer & Caution

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT - BERGAPTENE FREE (CALABRIAN) ESSENTIAL OIL - 11227

Peak	RT (min)	Compound	%
31	31,28	EPOXYTERPENIC ESTER Mw=152	0,08
32	31,78	BORNYL ACETATE	0,02
33	32,13	alpha-trans-BERGAMOTENE	0,15
34	32,41	beta-ELEMENE	0,01
35	32,56	beta-CARYOPHYLLENE	0,20
36	32,72	SESQUITERPENE	0,02
37	33,09	TERPINENE-4-OL	0,01
38	33,19	HOTRIENOL	0,10
39	33,63	LINALYL PROPIONATE	0,02
40	34,56	cis-p-2,8-MENTHADIEN-1-OL	0,02
41	36,73	CITRONELLYL ACETATE	0,01
42	37,04	trans-p-2,8-MENTHADIEN-1-OL	0,01
43	37,09	E-beta-FARNESENE	0,02
44	37,91	NERAL	0,20
45	37,99	Z-beta-FARNESENE	0,03
46	38,44	TERPENYL ACETATE	0,13
47	38,73	alpha-TERPINEOL	0,15
48	39,22	GERMACRENE D	0,02
49	40,35	NERYL ACETATE	0,42
50	40,45	beta-BISABOLENE	0,36
51	40,52	CARVONE	0,02
52	40,88	GERANIAL	0,36
53	42,07	GERANYL ACETATE	0,35
54	44,85	cis-EPOXILINALYL ACETATE	0,01
55	45,19	trans-EPOXYLINALYL ACETATE	0,01
56	45,81	GERMACRENE B	0,01
57	47,01	GERANIOL	0,02
58	47,80	SESQUITERPENIC EPOXIDE	0,01
59	53,33	HEXENYLIC ESTER	0,01
60	59,59	TERPENIC KETONE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT - BERGAPTENE FREE (CALABRIAN) ESSENTIAL OIL - 11227

Peak	RT (min)	Compound	%
61	61,46	SPATHULENOL	0,01
62	65,52	GERANYLGERANIADIENE ISOMER	0,01
63	66,05	alpha-BISABOLOL	0,01
64	68,74	13-HEXYLOXACYCLOTRIDEC-10-EN-2-ONE Mw=280	0,01
65	94,94	LIMETTIN	0,05
		TOTAL	99,98

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