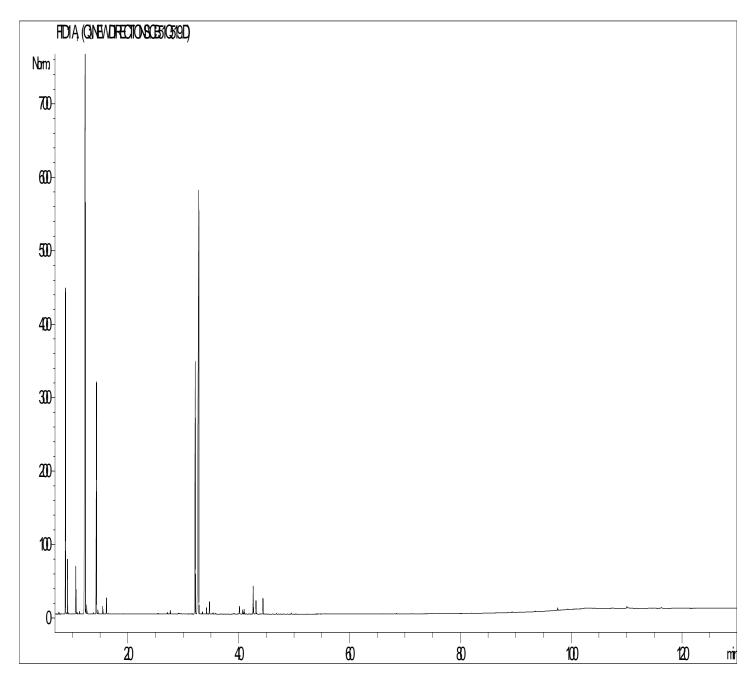


GCMS ANALYSIS

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL

DATE: April 6, 2018 Lot#: 11009C57



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

Peak	RT (min)	Compound name	%
1	4,3	ACETONE	0,01
2	6,6	alpha-PINENE	0,97
3	6,7	alpha-THUYENE	0,15
4	7,6	CAMPHENE	0,03
5	8,7	beta-PINENE	6,80
6	9,1	SABINENE	1,02
7	10,1	delta-3-CARENE	0,01
8	10,6	beta-MYRCENE	1,01
9	10,7	alpha-PHELLANDRENE	0,03
10	10,9	psi-LIMONENE	0,04
11	11,3	alpha-TERPINENE	0,07
12	12,3	LIMONENE	38,26
13	12,6	beta-PHELLANDRENE + 1,8-CINEOLE	0,20
14	13,7	Cis-beta-OCIMENE	0,03
15	14,3	gamma-TERPINENE	7,02
16	14,6	Trans-beta-OCIMENE	0,09
17	15,5	p-CYMENE	0,19
18	16,1	TERPINOLENE	0,40
19	16,4	ISOTERPINOLENE	0,01
20	16,6	OCTANAL	0,01
21	17,2	TERPENIC EPOXIDE	0,01
22	18,3	PINOL	0,01
23	19,3	6-METHYL-5-HEPTEN-2-ONE	0,01
24	22,7	NONANAL	0,01
25	23,6	alpha-p-DIMETHYLSTYRENE	0,01
26	25,4	LINALOOL Cis-OXIDE	0,02
27	25,6	LIMONENE Cis-EPOXIDE	0,01
28	26,4	LIMONENE Trans-EPOXIDE	0,01
29	26,9	Trans-THUYANOL	0,02
30	27,2	LINALOOL Trans-OXIDE	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL

Peak	RT (min)	Compound name	9/0
31	27,6	NONYLE ACETATE	0,10
32	29,1	DECANAL	0,05
33	29,4	CAMPHOR	0,04
34	31,4	ALIPHATIC METHYL ESTER	0,02
35	32,2	LINALOOL	10,54
36	32,8	LINALYL ACETATE	29,17
37	32,3	SESQUITERPENE	0,01
38	33,4	COMPOUND Mw=152	0,06
39	34,2	alpha,trans-BERGAMOTENE	0,19
40	34,5	beta-ELEMENE	0,01
41	34,7	beta-CARYOPHYLLENE	0,36
42	35,3	TERPINENE-4-OL	0,01
43	35,4	TERPENIC ALCOHOL	0,05
44	35,8	HOTRIENOL + BISABOLENE ISOMER	0,03
45	36,8	Cis-p-2,8-MENTHADIEN-1-OL	0,01
46	37,9	beta-SANTALENE	0,01
47	38,9	ESTRAGOLE	0,01
48	39,0	alpha-HUMULENE	0,01
49	39,2	E-beta-FARNESENE	0,03
50	39,3	Trans-p-2,8-MENTHADIEN-1-OL	0,01
51	39,8	Z-beta-FARNESENE	0,01
52	40,0	gamma-TERPINEOL	0,01
53	40,1	NERAL	0,24
54	40,7	TERPENYL ACETATE	0,13
55	41,0	alpha-TERPINEOL	0,15
56	41,4	GERMACRENE D	0,01
57	42,6	NERYL ACETATE	0,46
58	42,8	beta-BISABOLENE	0,40
59	43,1	GERANIAL	0,42
60	44,0	alpha-FARNESENE	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: BERGAMOT (CALABRIAN) ESSENTIAL OIL

Peak	RT (min)	Compound name	%
61	44,4	GERANYL ACETATE	0,46
62	46,8	PERILLIC ALCOHOL	0,02
63	49,5	NEROL	0,04
64	55,7	GERANIOL	0,01
65	66,0	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,01
66	68,5	HEXENYL ESTER	0,02
67	71,3	NEROLIDOL	0,01
68	89,3	alpha-BISABOLOL	0,03
69	93,5	SESQUITERPENOL	0,02
70	97,6	PALMITIC ACID	0,09
71	107,4	HERNIARIN	0,03
72	110,0	LIMETTIN	0,11
73	116,3	BERGAPTEN	0,06
		TOTAL	99,99

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