



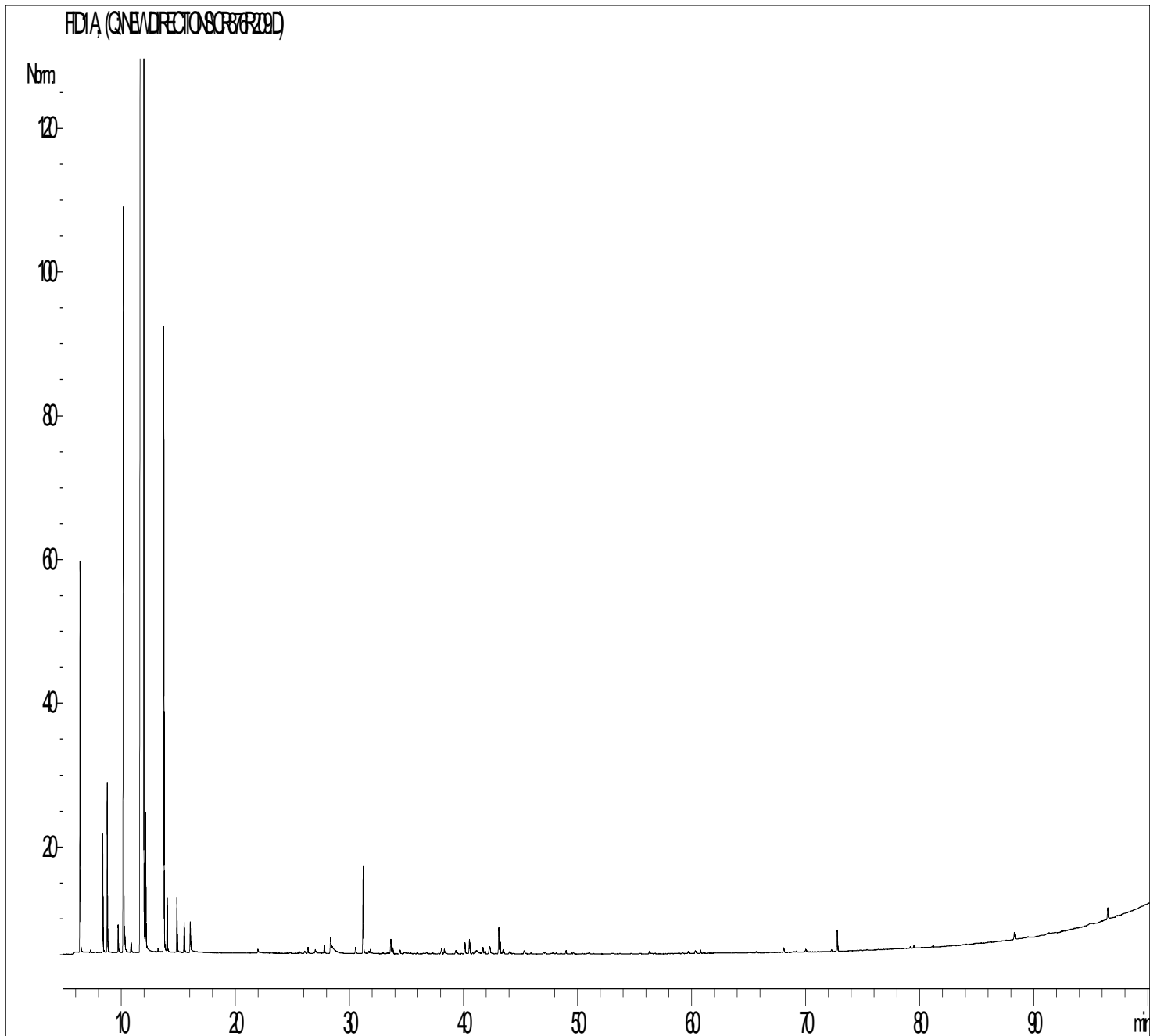
**NEW DIRECTIONS**  
A R O M A T I C S

GCMS ANALYSIS

PRODUCT NAME: TANGERINE ESSENTIAL OIL

DATE: May 30, 2018

Lot#: 11141A351



*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: TANGERINE ESSENTIAL OIL

Peak	RT (min)	Compound name	%
1	4,3	ACETONE	0,01
2	6,4	alpha-PINENE	0,67
3	6,5	alpha-THUYENE	0,08
4	7,3	CAMPHENE	0,01
5	8,4	beta-PINENE	0,26
6	8,8	SABINENE	0,38
7	9,7	delta3-CARENE	0,08
8	10,2	beta-MYRCENE	1,88
9	10,3	alpha-PHELLANDRENE	0,05
10	10,4	psi-LIMONENE	0,01
11	10,9	alpha-TERPINENE	0,04
12	12,0	<b>LIMONENE</b>	<b>93,06</b>
13	12,1	beta-PHELLANDRENE	0,29
14	13,2	Cis-beta-OCIMENE	0,01
15	13,7	gamme-TERPINENE	1,48
16	14,0	Trans-beta-OCIMENE	0,13
17	14,9	p-CYMENE	0,15
18	15,5	TERPINOLENE	0,08
19	16,1	OCTANAL	0,09
20	22,0	NONANAL	0,01
21	24,8	LIMONENE Cis-1,2-EPOXIDE	0,01
22	25,6	LIMONENE Trans-1,2-EPOXIDE	0,01
23	26,1	MENTHONE	0,01
24	26,4	delta-ELEMENE	0,02
25	26,9	OCTYL ACETATE	0,01
26	27,0	CITRONELLAL	0,01
27	27,8	alpha-COPAENE	0,03
28	28,4	DECANAL	0,06
29	30,5	beta1-CUBEBENE	0,02
30	31,2	LINALOOL	0,26

**Disclaimer & Caution**

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANGERINE ESSENTIAL OIL

Peak	RT (min)	Compound name	%
31	31,7	LINALYL ACETATE	0,01
32	31,9	1-OCTANOL	0,01
33	33,6	beta-ELEMENE	0,06
34	33,8	beta-CARYOPHYLLENE	0,02
35	34,4	TERPINENE-4-OL	0,01
36	35,9	Cis-p-2,8-MENTHADIEN-1-OL	0,01
37	36,8	MENTHOL	0,01
38	37,3	2-DECENAL	0,01
39	38,1	alpha-HUMULENE	0,02
40	38,3	E-beta-FARNESENE	0,02
41	39,3	NERAL	0,01
42	40,1	alpha-TERPINEOL	0,04
43	40,5	GERMACRENE D	0,05
44	40,8	SESQUITERPENE	0,01
45	41,0	SESQUITERPENE	0,01
46	41,1	DODECANAL	0,02
47	41,7	CARVONE	0,02
48	41,9	BICYCLOGERMACRENE	0,01
49	42,3	SESQUITERPENE	0,02
50	42,4	GERANIAL	0,02
51	43,1	alpha-FARNESENE	0,08
52	43,2	delta-CADINENE	0,04
53	43,5	GERANYL ACETATE	0,01
54	43,6	CITRONELLOL	0,01
55	44,1	PERILLALDEHYDE	0,01
56	45,3	2,4-DECADIENAL	0,02
57	47,0	ISOPIPERITENONE	0,01
58	47,9	Trans-CARVEOL	0,01
59	49,0	PERILLYL ACETATE	0,01
60	56,3	LIMONENE-10-OL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: TANGERINE ESSENTIAL OIL

Peak	RT (min)	Compound name	%
61	59,7	GERMACRADIENOL	0,01
62	60,3	METHYL N-METHYL-ANTHRANILATE	0,01
63	60,8	ELEMOL	0,01
64	68,1	beta-SINENSAL	0,02
65	72,8	alpha-SINENSAL	0,07
66	88,3	MYRISTIC ACID	0,02
67	96,5	PALMITIC ACID	0,04
		<b>TOTAL</b>	<b>99,99</b>

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