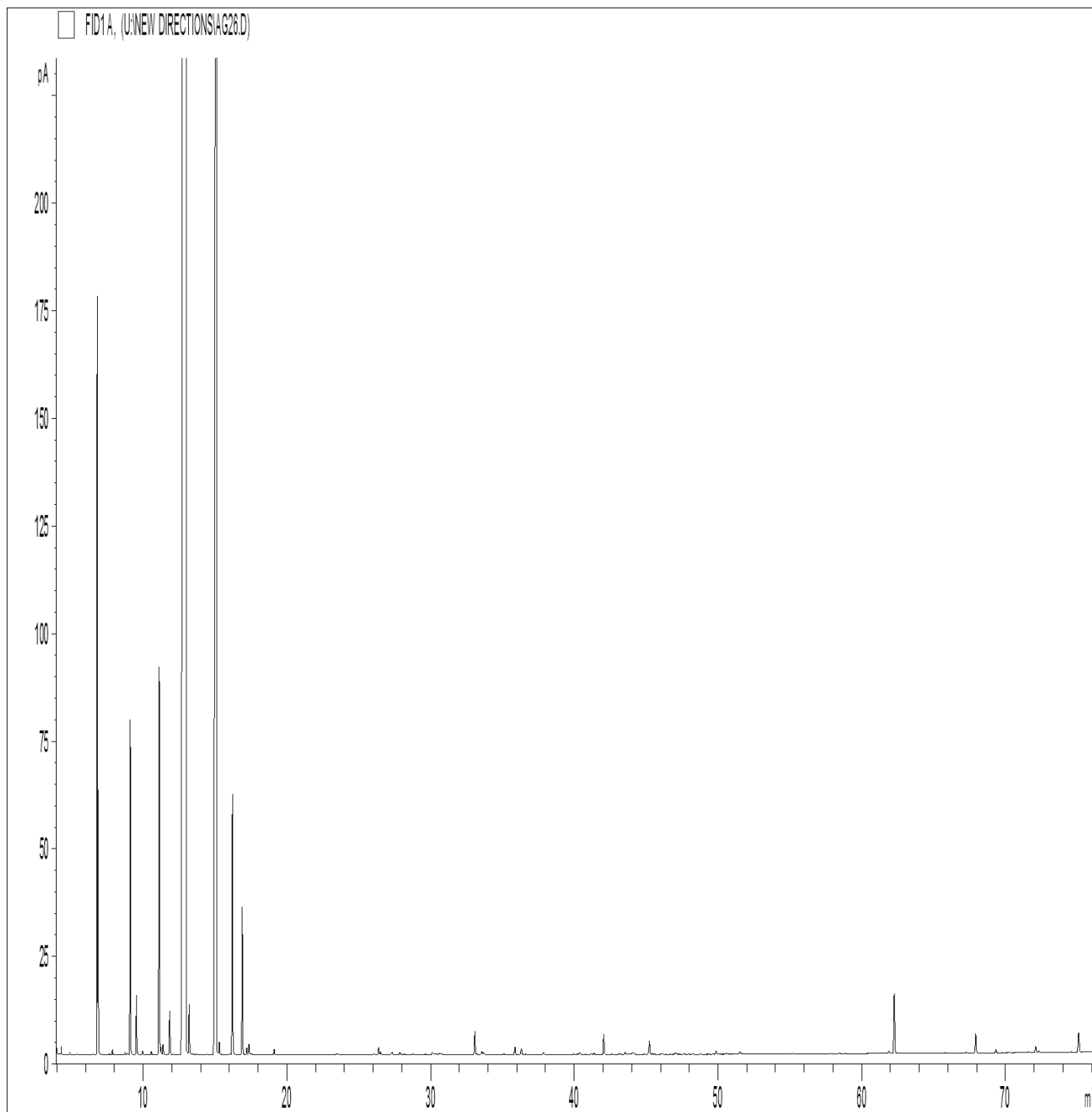


GCMS ANALYSIS

PRODUCT NAME: MANDARIN (SICILY) ESSENTIAL OIL - 11088

DATE: December 13, 2019



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: MANDARIN (SICILY) ESSENTIAL OIL - 11088

Peak	RT (min)	Compound name	%
1	4,31	ACETONE	0,02
2	6,81	alpha-PINENE	2,28
3	6,87	alpha-THUYENE	0,74
4	7,87	CAMPHENE	0,02
5	9,10	beta-PINENE	1,28
6	9,54	SABINENE	0,23
7	9,96	delta2-CARENE	0,02
8	10,58	delta3-CARENE	0,01
9	11,12	beta-MYRCENE	1,73
10	11,23	alpha-PHELLANDRENE	0,03
11	11,39	psi-LIMONENE	0,05
12	11,85	alpha-TERPINENE	0,25
13	12,97	LIMONENE	71,83
14	13,20	1,8-CINEOLE + beta-PHELLANDRENE	0,20
15	15,10	gamma-TERPINENE	17,77
16	15,30	trans-beta-OCIMENE	0,06
17	16,22	p-CYMENE	1,23
18	16,90	TERPINOLENE	0,72
19	17,22	TERPINENE ISOMER	0,03
20	17,36	OCTANAL	0,05
21	19,12	PINOL	0,03
22	26,40	LINALOOL cis-OXIDE	0,04
23	26,53	alpha-PINENE OXIDE	0,01
24	27,33	LIMONENE cis-1,2-EPOXIDE	0,02
25	27,85	trans-THUYANOL + 4,8-TERPINOLENE EPOXIDE	0,02
26	30,13	DECANAL	0,02
27	33,08	LINALOOL	0,13
28	33,58	LINALYL ACETATE	0,02
29	35,88	beta-CARYOPHYLLENE	0,05
30	36,32	TERPINENE-4-OL	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: MANDARIN (SICILY) ESSENTIAL OIL - 11088

Peak	RT (min)	Compound name	%
31	37,87	cis-p-2,8-MENTHADIEN-1-OL	0,01
32	40,38	trans-p-2,8-MENTHADIEN-1-OL	0,01
33	42,05	alpha-TERPINEOL	0,12
34	43,52	alpha-SELINENE	0,01
35	44,07	CARVONE	0,01
36	45,23	alpha-FARNESENE	0,09
37	47,03	PERILLALDEHYDE	0,01
38	49,87	Trans-CARVEOL	0,02
39	51,53	Cis-CARVEOL	0,01
40	61,89	AROMATIC COMPOUND	0,02
41	62,27	METHYL N-METHYL-ANTHRANILATE	0,42
42	67,94	THYMOL	0,12
43	69,34	GERANYLGERANIADIENE	0,02
44	72,12	trans-LIMONENE-1,2-DIOL	0,04
45	72,32	CAPRIC ACID	0,01
46	75,11	alpha-SINENSAL	0,13
		TOTAL	99,99

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