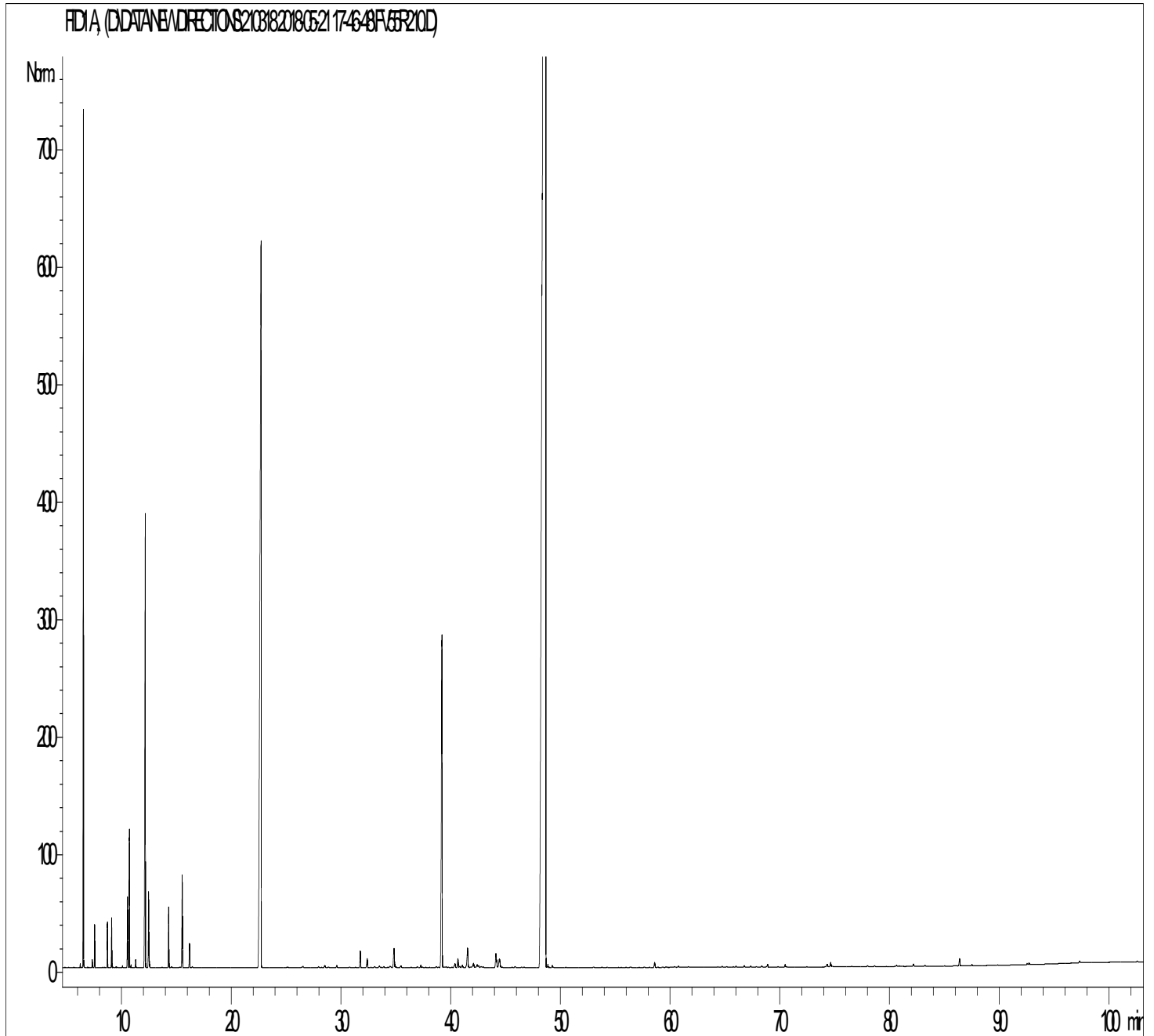




GCMS ANALYSIS

PRODUCT NAME: FENNEL ORGANIC ESSENTIAL OIL - 50063

DATE: May 28, 2018



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: FENNEL ORGANIC ESSENTIAL OIL - 50063

Peak	RT (min)	Compound name	%
1	4,1	ACETONE	0,04
2	6,2	TRICYCLENE	0,02
3	6,4	alpha-PINENE	4,16
4	6,5	alpha-THUYENE	0,01
5	7,3	alpha-FENCHENE	0,04
6	7,5	CAMPHENE	0,21
7	8,7	beta-PINENE	0,25
8	9,1	SABINENE	0,27
9	10,1	delta3-CARENE	0,01
10	10,5	beta-MYRCENE	0,44
11	10,7	alpha-PHELLANDRENE	0,84
12	10,8	psi-LIMONENE	0,02
13	11,3	alpha-TERPINENE	0,05
14	12,2	LIMONENE	3,88
15	12,4	1,8-CINEOLE	0,22
16	12,5	beta-PHELLANDRENE	0,28
17	12,6	TERPENE ISOMER	0,04
18	13,7	Cis-beta-OCIMENE	0,01
19	14,3	gamma-TERPINENE	0,43
20	14,5	Trans-beta-OCIMENE	0,01
21	15,5	p-CYMENE	0,68
22	16,2	TERPINOLENE	0,18
23	22,7	FENCHONE	12,47
24	28,5	alpha-COPAENE	0,03
25	29,6	DECANAL	0,02
26	31,7	LINALOOL	0,14
27	32,3	1-OCTANOL	0,09
28	33,0	LONGIFOLENE	0,01
29	33,4	ISOCARYOPHYLLENE	0,02
30	33,8	FENCHYL ALCOHOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: FENNEL ORGANIC ESSENTIAL OIL - 50063

Peak	RT (min)	Compound name	%
31	34,8	beta-CARYOPHYLLENE	0,26
32	35,4	TERPINENE-4-OL	0,02
33	37,3	MENTHOL	0,02
34	39,2	ESTRAGOL	3,69
35	40,4	NERAL	0,05
36	40,6	alpha-TERPINEOL	0,09
37	41,0	TERPENIC ALCOHOL	0,03
38	41,5	GERMACRENE D	0,25
39	42,0	VALENCENE	0,06
40	42,4	CARVONE	0,03
41	42,5	GERANIAL	0,02
42	44,1	Cis-ANETHOL	0,21
43	44,4	delta-CADINENE	0,15
44	48,6	Trans-ANETHOL	69,98
45	48,8	GERANIOL	0,02
46	58,6	ANISALDEHYDE	0,05
47	65,2	ANICETONE	0,03
48	70,5	GERANYLGERANIADIENE	0,03
49	83,2	3-METHOXYCINNAMALDEHYDE	0,08
50	92,7	AROMATIC COMPOUND	0,02
51	97,3	ALIPHATIC ESTER	0,02
		TOTAL	99,99

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