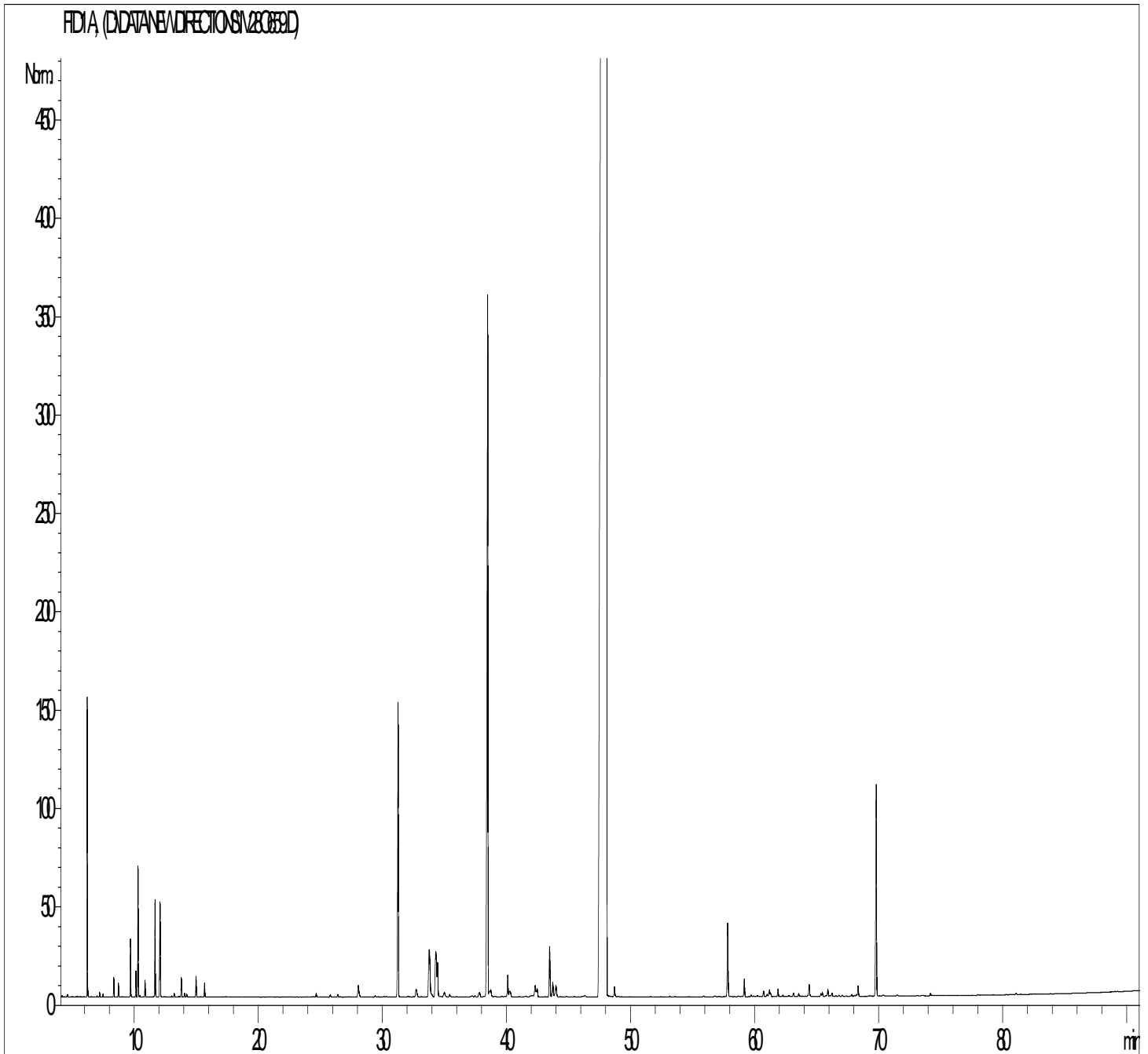




GCMS ANALYSIS

PRODUCT NAME: STAR ANISE ORGANIC ESSENTIAL OIL - 50049

DATE: December 15, 2017



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: STAR ANISE ORGANIC ESSENTIAL OIL - 50049

Peak	RT (min)	Compound name	%
1	3,8	ACETONE	0,07
2	4,6	ISOVALERALDEHYDE	0,01
3	6,2	α-PINENE	0,60
4	6,3	α -THUYENE	0,01
5	7,2	CAMPHENE	0,01
6	7,5	HEXANAL	0,01
7	8,3	β -PINENE	0,05
8	8,7	SABINENE	0,03
9	9,7	Δ 3-CARENE	0,16
10	10,1	β -MYRCENE	0,07
11	10,3	α-PHELLANDRENE	0,36
12	10,4	ψ -LIMONENE	0,01
13	10,8	α -TERPINENE	0,05
14	11,6	LIMONENE	0,29
15	12,0	β -PHELLANDRENE + 1,8-CINEOLE	0,38
16	12,4	2-HEXENAL	0,01
17	13,0	FURAN, 2-PENTYL-	0,01
18	13,2	Cis- β -OCIMENE	0,01
19	13,8	γ -TERPINENE	0,06
20	14,0	Trans- β -OCIMENE	0,01
21	14,2	STYRENE	0,01
22	14,9	p-CYMENE	0,07
23	15,6	TERPINOLENE	0,05
24	24,4	α -p-DIMETHYLSTYRENE	0,01
25	24,6	LINALOOL cis-OXIDE	0,02
26	25,7	FURFURAL	0,01
27	26,4	LINALOOL Trans-OXIDE	0,01
28	28,0	α -COPAENE	0,08
29	29,4	BENZALDEHYDE	0,01
30	31,2	LINALOOL	1,23

Disclaimer & Caution:

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: STAR ANISE ORGANIC ESSENTIAL OIL - 50049

Peak	RT (min)	Compound	%
31	32,7	α,cis-BERGAMOTENE	0,06
32	33,8	α-trans-BERGAMOTENE	0,40
33	33,9	β -ELEMENE	0,02
34	34,3	β-CARYOPHYLLENE	0,36
35	34,4	TERPINENE-4-OL	0,15
36	34,9	AROMADENDRENE	0,03
37	35,4	HOTRIENOL	0,01
38	37,2	ALIPHATIC ESTER	0,01
39	37,4	FARNESENE ISOMER	0,01
40	37,8	E- β -FARNESENE	0,03
41	38,4	ESTRAGOL	3,77
42	38,6	α -HUMULENE	0,03
43	38,7	Z- β -FARNESENE	0,04
44	40,1	α-TERPINEOL	0,10
45	40,2	BORNEOL	0,01
46	40,3	LEDENE	0,04
47	42,0	MUUROLENE ISOMER	0,01
48	42,3	β -BISABOLENE	0,08
49	42,5	BICYCLOGERMACRENE	0,05
50	43,4	Cis-ANETHOLE	0,25
51	43,7	α -FARNESENE	0,07
52	43,9	δ -CADINENE	0,07
53	44,0	γ -CADINENE	0,01
54	46,3	NEROL	0,01
55	48,0	Trans-ANETHOLE	88,70
56	48,7	GERANIOL	0,04
57	57,8	ANISALDEHYDE	0,36
58	59,1	NEROLIDOL	0,08
59	59,7	ALIPHATIC ESTER	0,01
60	60,2	SESQUITERPENOL	0,01

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: STAR ANISE ORGANIC ESSENTIAL OIL - 50049

Peak	RT (min)	Compound	%
61	60,7	GLOBULOL	0,03
62	61,0	ELEMOL	0,01
63	61,1	ANETHOL COMPOUND	0,04
64	61,3	VIRIDIFLOROL	0,01
65	61,8	AROMATIC COMPOUND	0,03
66	62,2	10-epi- γ -EUDESMOL	0,01
67	62,7	ROSIFOLIOL	0,01
68	63,1	SPATHULENOL	0,01
69	63,5	ANETHOL COMPOUND	0,01
70	64,4	ANICETONE	0,06
71	65,3	γ -EUDESMOL	0,01
72	65,4	T-CADINOL	0,02
73	65,9	METHYLISOEUGENOL	0,03
74	66,2	α -MUUROLOL	0,02
75	66,7	δ -CADINOL	0,01
76	67,0	CADINOL ISOMER	0,01
77	67,8	α -EUDESMOL	0,01
78	68,2	β -EUDESMOL	0,01
79	68,3	α -CADINOL	0,05
80	69,8	FOENICULINE	1,02
80	70,3	AROMATIC COMPOUND	0,01
82	71,5	AROMATIC COMPOUND	0,01
83	74,2	FARNESOL	0,01
84	78,0	AROMATIC COMPOUND	0,01
85	81,0	AROMATIC COMPOUND	0,01
		TOTAL	99,99

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