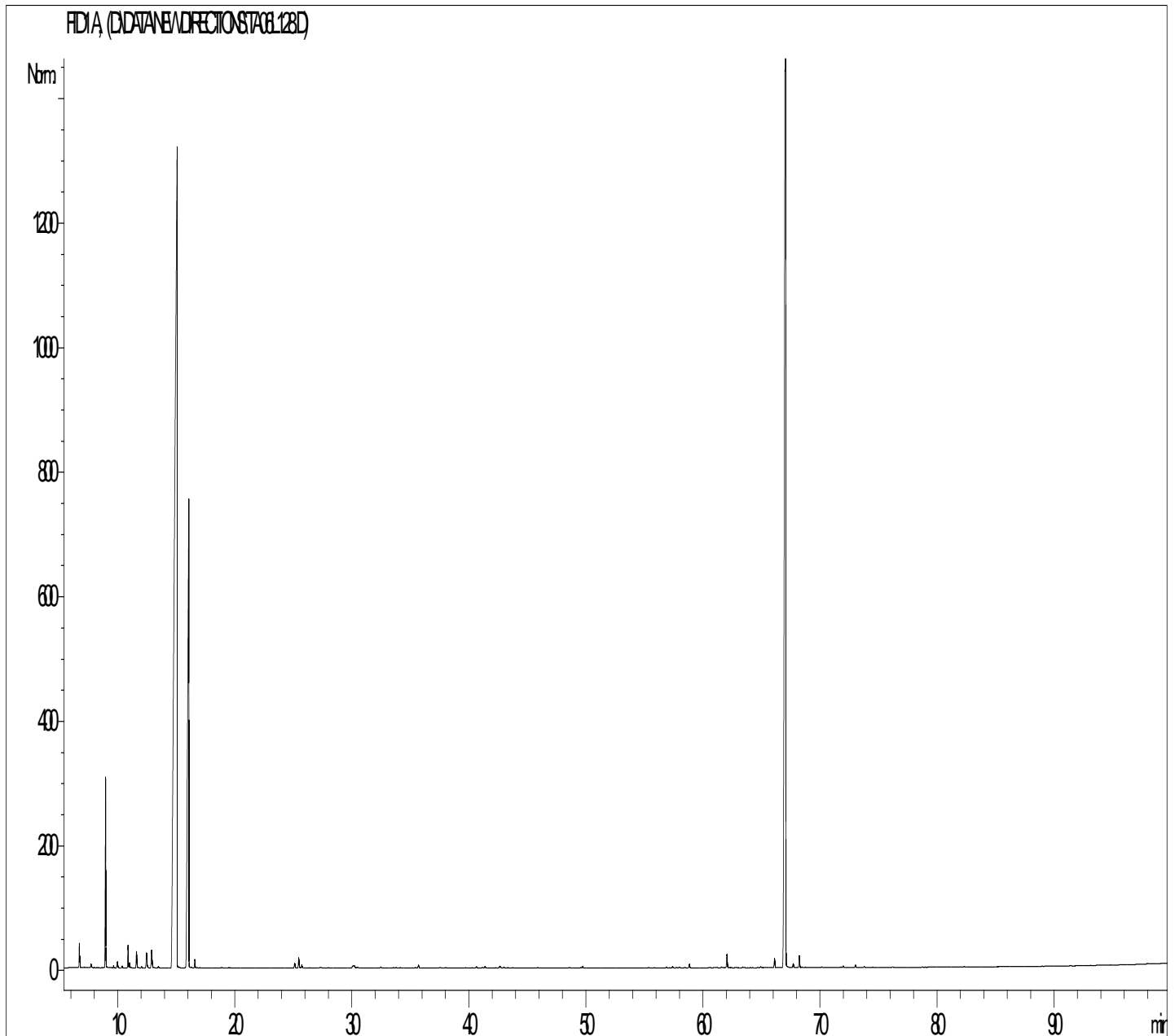




GCMS ANALYSIS

PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001

DATE: April 21, 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: AJOWAN ESSENTIAL OIL - 11001

Peak	RT (min)	Compound name	%
1	6,7	$\alpha$ -PINENE	0,21
2	6,8	$\alpha$ -THUYENE	0,09
3	7,7	CAMPHENE	0,06
4	8,9	<b><math>\beta</math>-PINENE</b>	<b>2,23</b>
5	9,6	PINADIENE	0,02
6	9,9	p-MENTH-2-ENE	0,10
7	10,3	$\Delta$ 3-CARENE	0,02
8	10,8	$\beta$ -MYRCENE	0,29
9	11,0	$\alpha$ -PHELLANDRENE	0,07
10	11,6	$\alpha$ -TERPINENE	0,26
11	12,0	2,3-DEHYDRO-1,8-CINEOLE	0,02
12	12,4	LIMONENE	0,29
13	12,8	$\beta$ -PHELLANDRENE	0,36
14	13,4	3-HEPTANONE-2,6-DIMETHYL	0,02
15	15,0	<b><math>\gamma</math>-TERPINENE</b>	<b>46,56</b>
16	15,2	3-OCTANONE	0,01
17	16,0	<b>p-CYMENE</b>	<b>13,37</b>
18	16,3	ISOTERPINOLENE	0,01
19	16,6	TERPINOLENE	0,10
20	18,8	CYCLOHEXANONE-3-METHYL	0,01
21	25,1	TERPENIC KETONE	0,08
22	25,4	$\alpha$ ,p-DIMETHYLSTYRENE	0,16
23	25,7	MENTHATRIENE ISOMER	0,05
24	27,3	ISOMENTHONE	0,02
25	30,1	LIMONENE Cis-EPOXIDE	0,06
26	30,2	COMPOUND Mw=152	0,06
27	30,5	COMPOUND Mw=152	0,02
28	32,5	LINALOOL	0,02
29	33,5	METHYL FURFURAL	0,01
30	33,7	BORNYL ACETATE	0,01

#### Disclaimer & Caution

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### GCMS ANALYSIS (cont'd.)

PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001

Peak	RT (min)	Compound name	%
31	34,1	TERPINENE-1-OL	0,01
32	35,4	$\beta$ -CARYOPHYLLENE	0,01
33	35,7	TERPINENE-4-OL	0,05
34	37,5	6-METHYL-1-OCTANOL	0,01
35	38,0	ALIPHATIC ESTER	0,01
36	40,6	NERAL	0,02
37	41,1	TERPENYL ACETATE	0,01
38	41,4	$\alpha$ -TERPINEOL	0,03
39	41,8	TERPENIC ESTER	0,01
40	42,3	TERPENIC ESTER	0,01
41	42,6	$\beta$ -SELINENE	0,04
42	42,9	PIPERITONE	0,01
43	45,8	CUMINAL	0,01
44	48,6	SABINOL ISOMER	0,01
45	49,5	m-CYMENE-8-OL	0,01
46	49,7	p-CYMENE-8-OL	0,02
47	56,8	CARVACRYL ACETATE	0,01
48	57,4	2-ALLYL-4-METHYLPHENOL	0,02
49	57,7	PHENOL, 2-METHYL	0,01
50	57,9	COMPOUND Mw=164	0,01
51	58,4	PROPOFOL	0,01
52	58,8	COMPOUND Mw=192	0,05
53	60,5	ALIPHATIC ESTER	0,01
54	60,9	METHYL DIISOPROPYLPHENOL ISOMER Mw=192	0,01
55	61,5	METHYLPARACRESOL	0,01
56	62,0	p-CRESOL	0,24
57	62,7	CUMINOL	0,01
58	63,4	PHENOL, 1-METHYLETHYL	0,01
59	63,5	AROMATIC ETHER	0,01
60	64,9	PHENOL, 2-ETHYL-5-METHYL	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001

Peak	RT (min)	Compound name	%
61	66,1	ISOTHYMOL	0,15
62	67,0	<b>THYMOL</b>	<b>34,13</b>
63	67,7	ISOCARVACROL	0,06
64	68,2	CARVACROL	0,20
65	70,1	PHENOLIC COMPOUND	0,02
66	71,8	PHENOLIC COMPOUND	0,01
67	71,9	3-METHYL-4-ISOPROPYLPHENOL	0,03
68	73,0	METHYL DIISOPROPYLPHENOL ISOMER Mw=192	0,04
69	73,7	AROMATIC COMPOUND	0,02
70	76,2	PHENOLIC COMPOUND	0,01
71	78,7	AROMATIC COMPOUND	0,01
72	82,3	AROMATIC COMPOUND	0,01
		<b>TOTAL</b>	<b>99,98</b>

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