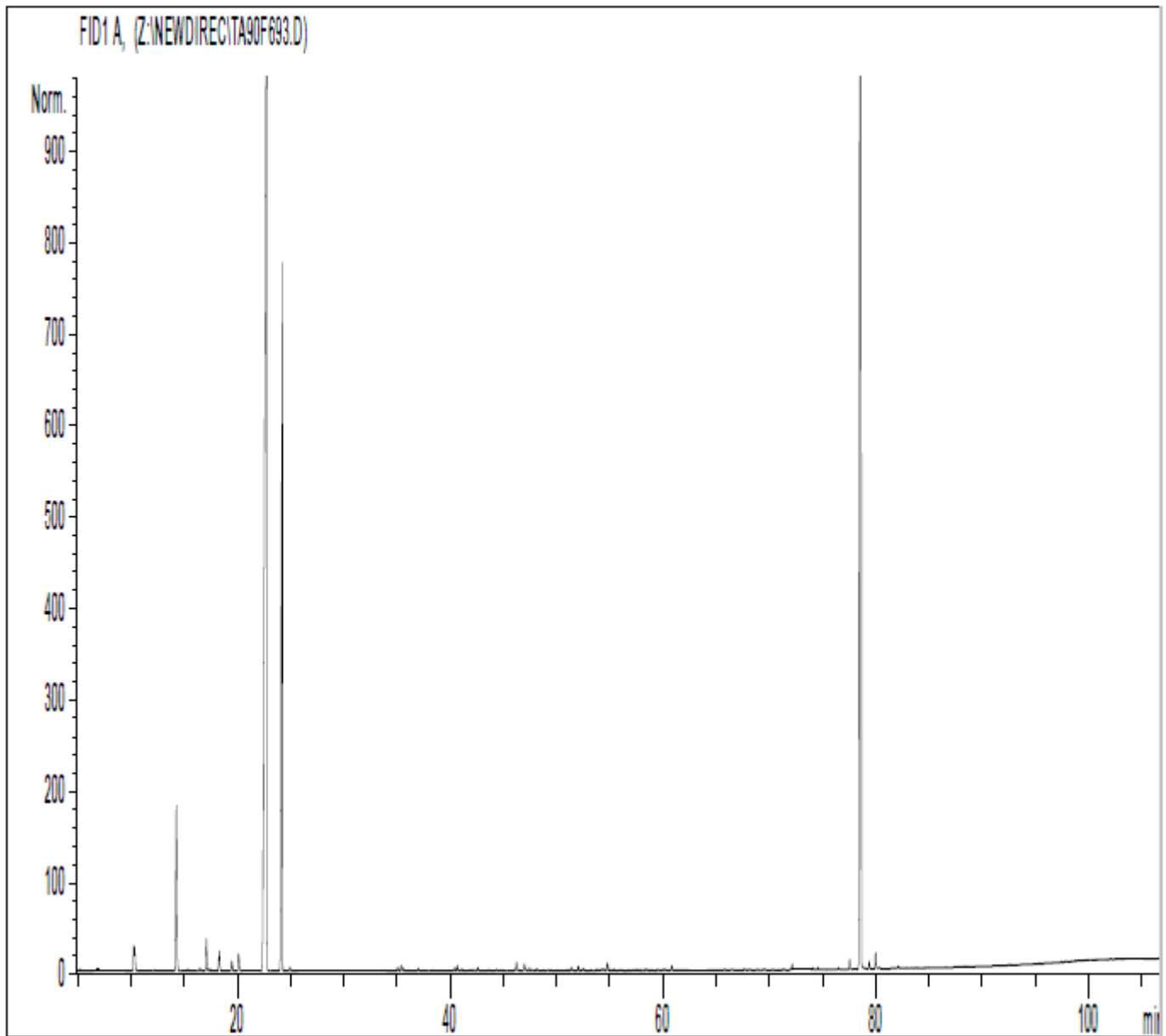




GCMS ANALYSIS

PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001

DATE: May 2, 2016



*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.*

**PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001**

Peak	RT (min)	Compound name	%	Norm (%)	Allergens (%)
1	5,2	ACETONE	0,01		
2	6,8	ISOVALERALDEHYDE	0,01		
3	6,9	METHYL 2-METHYLBUTYRATE	0,01		
4	9,6	TRICYCLENE	0,01		
5	10,2	$\alpha$ -PINENE	0,30		
6	10,3	$\alpha$ -THUYENE	0,33		
7	12,1	CAMPHERE	0,01		
8	14,2	$\beta$ -PINENE	2,80		
9	15,3	PINADIENE	0,02		
10	15,7	p-MENTH-2-ENE	0,01		
11	16,5	$\Delta$ 3-CARENE	0,03		
12	17,0	$\beta$ -MYRCENE	0,49		
13	17,4	$\alpha$ -PHELLANDRENE	0,03		
14	18,2	$\alpha$ -TERPINENE	0,33		
15	18,9	2,3-DEHYDRO-1,8-CINEOLE	0,01		
16	19,4	LIMONENE	0,17		0,17
17	20,1	$\beta$ -PHELLANDRENE	0,29		
18	21,5	Cis- $\beta$ -OCIMENE	0,01		
19	22,7	$\gamma$ -TERPINENE	38,46		
20	24,2	p-CYMENE	12,84		
21	24,5	ISOTERPINOLENE	0,01		
22	24,9	TERPINOLENE	0,05		
23	35,0	TERPENIC KETONE	0,04		
24	35,3	$\alpha$ ,p-DIMETHYLSTYRENE	0,07		
25	35,6	MENTHATRIENE ISOMER	0,04		
26	36,1	FURFURAL	0,01		
27	37,0	Trans-THUYANOL	0,04		
28	37,4	EPOXY-4,8-TERPINOLENE	0,01		
29	38,3	FENCHYL ACETATE	0,01		
30	38,4	NAPHTALENE TETRAHYDRO TRIMETHYL Mw=174	0,01		
31	40,4	TERPENIC ALDEHYDE	0,03		
32	40,6	ALIPHATIC ALCOHOL	0,07		
33	41,1	TERPENIC ALDEHYDE	0,02		
34	42,2	LINALOOL	0,01		0,01
35	42,6	Cis-THUYANOL	0,04		
36	43,6	Trans-p-MENTH-2-EN-1-OL	0,01		
37	44,3	METHYL FURFURAL	0,01		
38	44,7	BORNYL FORMIATE	0,01		
39	44,9	BORNYL ACETATE	0,01		
40	46,2	TERPINENE-4-OL	0,13		
41	47,0	$\beta$ -CARYOPHYLLENE	0,10		
42	47,5	6-METHYL-1-OCTANOL	0,03		
43	48,1	Cis-DIHYDROCARVONE	0,03		
44	48,8	HYDROXYCYCLOHEXYL FURANE	0,01		
45	49,2	2-FURANMETHANOL	0,02		

**Disclaimer & Caution**

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**PRODUCT NAME: AJOWAN ESSENTIAL OIL - 11001**

Peak	RT (min)	Compound name	%	Norm (%)	Allergens (%)
46	51,4	NERAL	0,04		0,04
47	51,6	CARVANOCETONE	0,01		
48	52,0	$\alpha$ -TERPINEOL	0,06		
49	52,3	TERPENYL ACETATE	0,01		
50	52,5	BORNEOL	0,03		
51	53,2	TERPENIC ESTER	0,01		
52	53,7	CARVENONE	0,02		
53	54,2	PHELLANDRAL	0,03		
54	54,4	PIPERITONE	0,02		
55	54,8	CARVONE	0,13		
56	55,4	DIHYDRO TRIMETHYL NAPHTALENE Mw=172	0,02		
57	57,1	TERPENIC ALCOHOL	0,01		
58	57,5	CUMINAL	0,01		
59	58,3	TERPENIC ALCOHOL	0,03		
60	58,6	TERPENIC ALCOHOL	0,01		
61	59,4	SABINOL ISOMER	0,02		
62	59,8	$\beta$ -DAMASCENONE	0,01		
63	60,1	trans-CARVEOL	0,03		
64	60,4	VALERIANIC ACID	0,01		
65	60,8	p-CYMENE-8-OL	0,06		
66	61,8	ALIPHATIC ALCOHOL	0,01		
67	64,0	TERPENIC ACETATE	0,01		
68	65,3	ALIPHATIC ESTER	0,01		
69	65,8	PIPERITENONE	0,02		
70	66,5	ALKYL COMPONENT	0,02		
71	67,7	KETONE COMPONENT	0,02		
72	68,0	2,6-DIMETHYL-3,5,7-OCTATRIENE-2-OL	0,02		
73	68,8	METHYL BENZENE PROPANAL Mw=148	0,01		
74	69,6	METHYLETHENYL CYCLOHEXENE METHANOL	0,01		
75	70,3	ALIPHATIC ESTER	0,01		
76	71,4	AROMATIC COMPONENT	0,01		
77	72,1	p-MENTHA-1,4-DIEN-7-OL	0,09		
78	74,0	METHYL 3-HYDROXYBENZOATE	0,03		
79	74,6	CUMINOL	0,03		
80	76,5	HYDROXY BENZALDEHYDE ISOMERE	0,03		
81	77,6	ISOTHYMOL	0,15		
82	78,6	THYMOL	41,43		
83	79,4	ISOCARVACROL	0,11		
84	80,0	CARVACROL	0,23		
85	80,3	PHENOLIC COMPONENT	0,03		
86	82,1	PHENOLIC COMPONENT	0,05		
87	82,8	MYRISTICINE	0,01		
88	83,4	PHENOLIC COMPONENT	0,01		
89	85,6	PHENOLIC COMPONENT	0,01		
90	88,4	METHOXY BENZENIC COMPONENT	0,01		
91	92,5	LAURIC ACID	0,01		
		<b>TOTAL</b>	<b>99,94</b>		<b>0,23</b>

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