

Rua 9, quadra 10 - Lote 01  
Setor Planalto - Alto Paraíso de Goiás  
(62) 3446-2162 - atendimento@terra-flor.com



Este documento é uma cópia fiel do fornecedor.

Óleo essencial: Ajowan - *Trachyspermum amni*  
Lote fornecedor: Ajw30kSBI1216  
Lotes Terra Flor: 027 e 209

### **Analysis Conditions:**

**MS 5970 Column:** HP-5MS 5% Phenyl Methyl Silos: 30 m x 250 µm x 0.25 µm

#### **Oven Program**

50 °C for 4 min → 3 °C/min to 230 °C for 4min → 10 °C/min to 280 °C  
for 7min

**Carrier gas:** He: 12.348 psi / MS

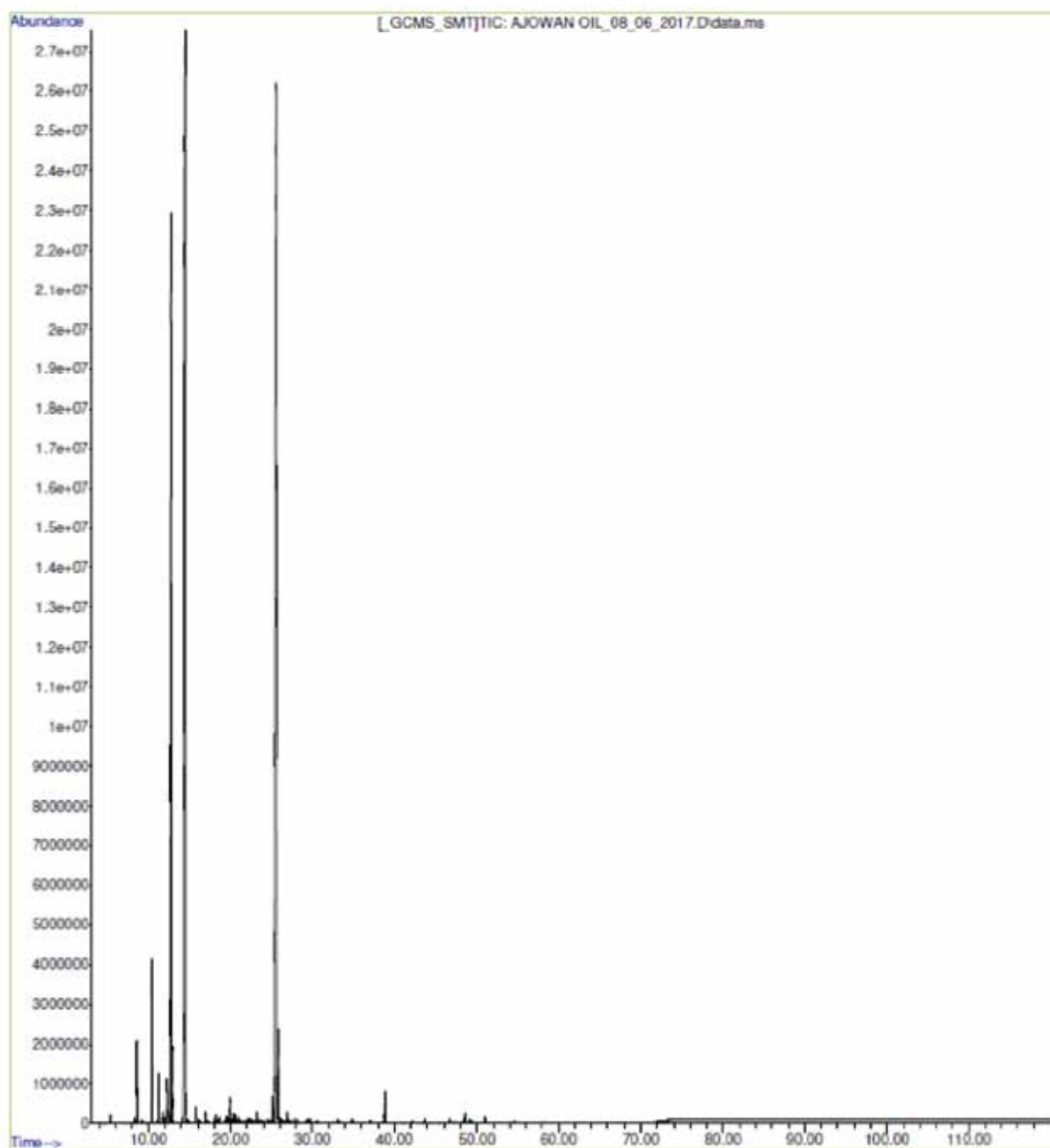
**Sample injection / split:** 1 µl of 5% solution in Acetone

**Mass range:** 35 to 450

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## MASS SPECTRA OF AJOWAN OIL

File :D:\MassHunter\GCMS\1\data\2017\A\AJOWAN OIL\_08\_06\_2017.D  
Operator : Arvind Navik  
Acquired : 08 Jun 2017 15:41 using AcqMethod ANALYSIS METHOD.M  
Instrument : GCMS  
Sample Name:  
Misc Info :  
Vial Number: 0



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### **IDENTIFICATION RESULT: AJOWAN OIL**

<b>PK</b>	<b>RT</b>	<b>Compound Name</b>	<b>Area Pct</b>	<b>CAS</b>	<b>Qual</b>
1	8.3738	<u>Thujene</u> <alpha->	0.0517	002867-05-2	97
2	8.6208	<u>Pinene</u> <alpha->	1.0569	000080-56-8	97
3	9.2239	Camphene	0.0320	000079-92-5	98
4	10.4391	<u>Pinene</u> <beta->	1.8227	000127-91-3	95
5	11.2081	<u>Myrcene</u>	0.5334	000123-35-3	83
6	11.7264	<u>Phellandrene</u> <alpha->	0.1359	000099-83-2	94
7	11.9869	<u>Carene</u> <delta-3->	0.0522	013466-78-9	91
8	12.3038	<u>Terpinene</u> <alpha->	0.5348	000099-86-5	96
9	12.7422	<u>Cymene</u> <para->	17.4560	000099-87-6	91
10	12.8777	<u>Phellandrene</u> <beta->	0.8185	000555-10-2	91
11	14.4671	<u>Terpinene</u> <gamma->	32.6454	000099-85-4	94
12	14.7044	<u>Sylvestrene</u> <iso->	0.0434	000499-03-6	97
13	15.7443	<u>Cymenene</u> <para->	0.2761	001195-32-0	97
14	16.932	<u>Butyraldehyde</u> <3-(5-methyl-, 2-furyl)->	0.1480	031704-80-0	97
15	18.1474	<u>Mentatriene</u> <1,3,8-para->	0.1086	018368-95-1	95
16	18.4467	Tetradec-1-ene	0.0656	001120-36-1	89
17	19.4781	<u>Mentha-2,8-dien-1-ol</u> <cis-, para->	0.1599	003886-78-0	96
18	19.8976	<u>Terpinen-4-ol</u>	0.4443	000562-74-3	94
19	20.3419	<u>Cymen-8-ol</u> <para->	0.2241	001197-01-9	95
20	20.5975	<u>Terpineol</u> <alpha->	0.1553	000098-55-5	90
21	20.9057	<u>Carvone</u> <(Z)-, dihydro->	0.1161	003792-53-8	97
22	21.2551	<u>Carvone</u> <(E)-, dihydro->	0.0352	005948-04-9	93
23	22.2497	<u>Isobornyl acetate</u>	0.0345	000125-12-2	98
24	22.8291	<u>Cuminaldehyde</u>	0.0259	000122-03-2	86
25	23.1331	<u>Carvone</u>	0.1603	000099-49-0	89
26	24.4602	<u>Phellandral</u>	0.0569	021391-98-0	85
27	25.5353	<u>Thymol</u>	39.0276	000089-83-8	90
28	25.7823	<u>Carvacrol</u>	1.7617	000499-75-2	93
29	26.5451	<u>Cymen-7-ol</u> <ortho->	0.0287	021190-34-1	90
30	26.8534	<u>Mentha-1,4-dien-7-ol</u> <para->	0.1325	022539-72-6	85
31	27.8078	<u>Calacorene</u> <beta->	0.0603	050277-34-4	95
32	29.2429	<u>Damascenone</u> <(Z)-beta->	0.0347	059739-63-8	90
33	29.4062	<u>Murolene</u> <14-hydroxy-alpha->	0.0509	105661-29-8	94
34	29.4879	<u>Shisofuran</u>	0.0596	062641-75-2	95
35	29.7833	<u>Phenol</u> <2,6-diisopropyl->	0.0500	002078-54-8	99
36	30.6435	<u>Spirolepechinene</u>	0.0448	246243-00-5	97
37	34.8439	<u>Myristicin</u>	0.0411	000607-91-0	94
38	38.8088	<u>Apiole</u>	0.9551	000523-80-8	86

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39	43.6893	<u>Cumene &lt;para-ethyl-&gt;</u>	0.0709	004218-48-8	87
40	46.6266	<u>Phytone</u>	0.0544	000502-69-2	94
41	48.5095	<u>Fenchyl acetate</u>	0.0587	013851-11-1	94
42	49.1023	Terpin-1-en-4-yl acetate	0.0549	004821-04-9	95
43	49.4536	<u>Guaiacol &lt;4-vinyl-&gt;</u>	0.0246	007786-61-0	98
44	51.0162	<u>Carvacryl acetate</u>	0.1089	006380-28-5	97
45	54.5466	<u>Octylacetylene</u>	0.0215	000764-93-2	89
		<b>Total</b>	<b>99.8346</b>		