

ESTE DOCUMENTO É UMA CÓPIA FIEL DAQUELE FORNECIDO PELO PRODUTOR.

Sample Name : **CARDAMOM OIL CO2**
Botanical Species : **Elettaria Cardamomum**
Sample Injection Date : **04 Feb. 2013**
CAS NO : **8000-66-6**
FEMA NO : **2241**
Analyzed By : **Eram Chunawala**

Analysis Conditions :

MS 5970 Column : HP-5MS 5% Phenyl Methyl Silox : 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

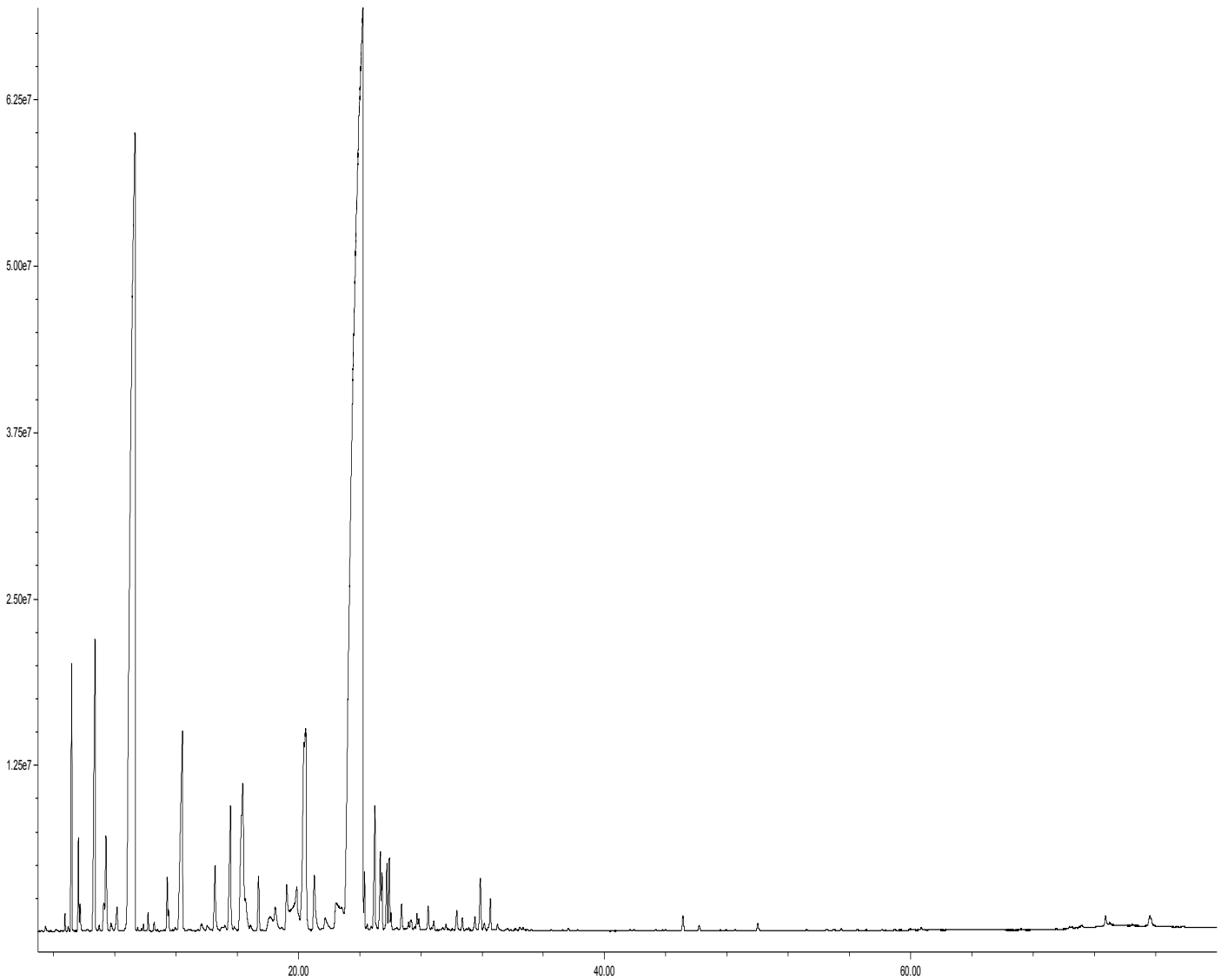
Sample injection / split : 1 µl of 5% solution in Acetone

Mass range : 35 to 450

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MASS SPECTRA OF CARDAMOM OIL CO2

File :C:\msdchem\1\data\ESSENTIAL OILS\C\CARDAMOM OIL CO2_04_02_20
... 13.D
Operator : Kanble
Instrument : GCMS
Acquired : 4 Feb 2013 3:46 using AcqMethod PERFUME_ALS_1_NO_SPLITTER_1.M
Sample Name: CARDAMOM OIL CO2_04_02_2013
Misc Info :



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IDENTIFICATION RESULT : CARDAMOM OIL CO2

PK	RT	Compound name	Area Pct	CAS	Qual
1	4.7603	Tricyclene	0.0678	000508-32-7	97
2	5.1861	Pinene <alpha->	1.2285	000080-56-8	96
3	5.6385	Camphene	0.5448	000079-92-5	97
4	6.7031	Pinene <beta->	2.2357	000127-91-3	91
5	7.4368	Myrcene	0.8936	000123-35-3	87
6	7.7828	Phellendrene <alpha->	0.0688	000127-91-3	72
7	9.315	Eucalyptol	23.5314	000470-82-6	94
8	10.1933	Terpinene <gamma->	0.0898	000099-85-4	95
9	11.4365	Terpinolene	0.366	000586-62-9	97
10	12.4098	Linalool	2.5204	000078-70-6	91
11	14.5541	Borneol	0.6201	010385-78-1	59
12	15.5579	Terpinen-4-ol	1.1743	000562-74-3	93
13	16.3639	Terpineol <alpha->	2.6985	000098-55-5	95
14	17.4018	Terpinyl acetate <alpha->	0.368	000080-26-2	86
15	18.147	Neryl acetate	0.3413	002142-94-1	94
16	18.4968	Neral	0.3512	000106-26-3	92
17	19.2458	Linalyl acetate	0.5414	000144-39-8	90
18	19.8845	Geraniol	1.19	000106-24-1	95
19	20.47	Terpineol <gamma->	3.858	000586-81-2	93
20	21.0441	Tricyclene	0.613	000508-32-7	74
21	22.4812	Dihydrocarveol acetate	1.0656	075684-65-0	86
22	24.1845	Terpinyl acetate <alpha->	50.5739	000080-26-2	91
23	24.9868	Geranyl acetate	0.8992	000105-90-8	91
24	25.3555	Longifolene	0.8298	000475-20-7	99
25	25.7776	Eugenol <methyl->	0.4151	000093-15-2	97
26	25.9334	Caryophyllene <(Z)->	0.5275	000118-65-0	93
27	27.1995	Humulene <alpha->	0.2694	006753-98-6	99
28	27.363	Dill ether	0.103	074410-10-9	84
29	28.4808	Selinene <beta->	0.4021	017066-67-0	99
30	28.842	Selinene <alpha->	0.0805	000473-13-2	98
31	29.6366	Cadinene <gamma->	0.0611	038357-83-4	99
32	30.3475	Davanafuran <cis,threo->	0.1548	056586-07-3	76
33	31.5376	Verbenol <trans->	0.1115	001820-09-3	82
34	31.8911	Nerolidol <(E)->	0.418	040716-66-3	72
35	32.1421	Caryophyllene oxide	0.0595	001139-30-6	71
36	32.5375	Ascaridole	0.2444	000512-85-6	68
38	45.122	Camphorene <m->	0.1178	020016-73-3	98
		TOTAL	99.6358		