

Sample Information

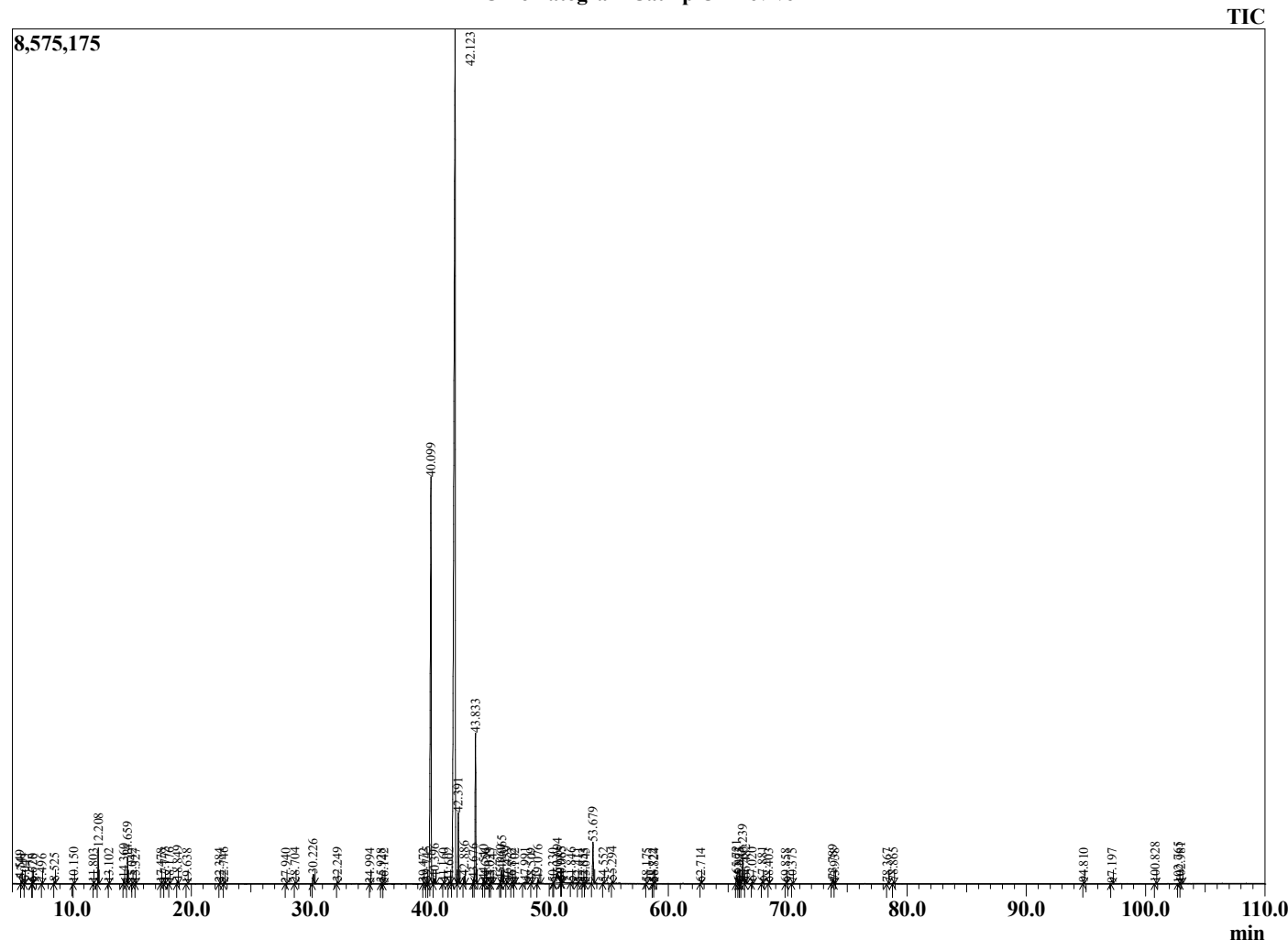
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 05/31/2023 12:47:35 AM
 Sample Type : Essential Oil
 Sample Name : Catnip Oil Revive
 Sample ID : 4E
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
4.014	3-Methylbutanal	0.06
4.118	2-Methylbutanal	0.03
4.549	2-Ethylfuran	0.07
5.741	Senecionitrile	0.08
6.043	Methyl 2-methylbutyrate	0.02
6.678	Octane	0.01
6.720	Hexanal	0.02
7.496	1,3,6-Octatriene	0.02
8.525	Hex-(2E)-enal	0.05
10.150	Styrene	0.03
11.803	alpha-Thujene	0.01
12.208	alpha-Pinene	0.90
13.102	Camphene	0.02
14.360	Sabinene	0.14
14.659	beta-Pinene	0.73
15.042	3-Octanone	0.01
15.327	2-Pentylfuran	0.01
17.478	para-Cymene	0.02
17.773	Limonene	0.07
18.176	cis-beta-Ocimene	0.03
18.849	trans-beta-Ocimene	0.10
19.638	gamma-Terpinene	0.01
22.384	Linalool	0.01
22.746	Nonanal	0.04
27.940	Terpinen-4-ol	0.01
28.704	Methyl salicylate	0.04
30.226	Unidentified	0.51
32.249	Carvone	0.06
34.994	Bornyl acetate	0.01
35.928	Unidentified	0.03
36.142	Tridecane	0.02
39.472	Nepetalactone isomer	0.02
39.745	Nepetalactone isomer	0.08
40.099	cis,trans-Nepetalactone	18.88
40.396	Nepetalactone isomer	0.23
41.160	Unidentified	0.03
41.602	(3Z)-Hexenyl-hex-(3Z)-enoate	0.07
42.123	cis,cis-Nepetalactone	61.04
42.391	Nepetalactone isomer	2.53
42.886	cis-beta-Caryophyllene	0.29
43.676	Unidentified	0.18
43.833	trans-beta-Caryophyllene	5.95
44.510	Nepetalactone isomer	0.14
44.656	Unidentified	0.03
45.033	Unidentified	0.02
45.247	Unidentified	0.04
45.960	(E)-beta-Farnesene	0.13
46.065	alpha-Humulene	0.68
46.459	Pentadecane	0.08
46.862	Unidentified	0.03
47.102	Unidentified	0.02
47.991	Nepetalactone isomer	0.18
48.509	Unidentified	0.02
49.076	Dehydromenthofurolactone	0.18
50.330	Nepetalactone isomer	0.01
50.694	Nepetalactone isomer	1.56
50.985	Unidentified	0.06
51.065	Unidentified	0.02
51.846	Unidentified	0.03
52.411	Unidentified	0.01
52.853	Unidentified	0.01
53.045	(3Z)-Hexenyl benzoate	0.02

Chromatogram Catnip Oil Revive



Comments:

The analysis of this Catnip batch sample meets the expected chemical profile for authentic essential oil of *Nepeta cataria*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

R.Time	Name	Area%
53.679	Caryophyllene oxide	1.72
54.552	Unidentified	0.03
55.294	Humulene epoxide II	0.10
58.175	Unidentified	0.02
58.722	Unidentified	0.02
58.824	Nepetalactone isomer	0.01
62.714	Unidentified	0.02
65.721	Unidentified isomer I	0.35
65.893	Unidentified	0.08
65.975	Unidentified	0.03
66.239	Unidentified isomer I	1.13
66.482	Nepetalactone isomer	0.19
67.020	Unidentified	0.04
67.881	Phytone	0.08
68.403	Nepetalactone isomer	0.01
69.858	Unidentified	0.02
70.375	Unidentified	0.02
73.789	13-Heptadecyn-1-ol	0.18
73.938	Unidentified isomer I	0.02
78.367	Unidentified isomer II	0.02
78.865	Unidentified isomer II	0.05
94.810	Unidentified isomer II	0.02
97.197	Unidentified isomer II	0.02
100.828	Unidentified isomer II	0.02
102.765	Unidentified isomer II	0.01
102.981	Unidentified isomer II	0.03
		100.00