

Sample Information

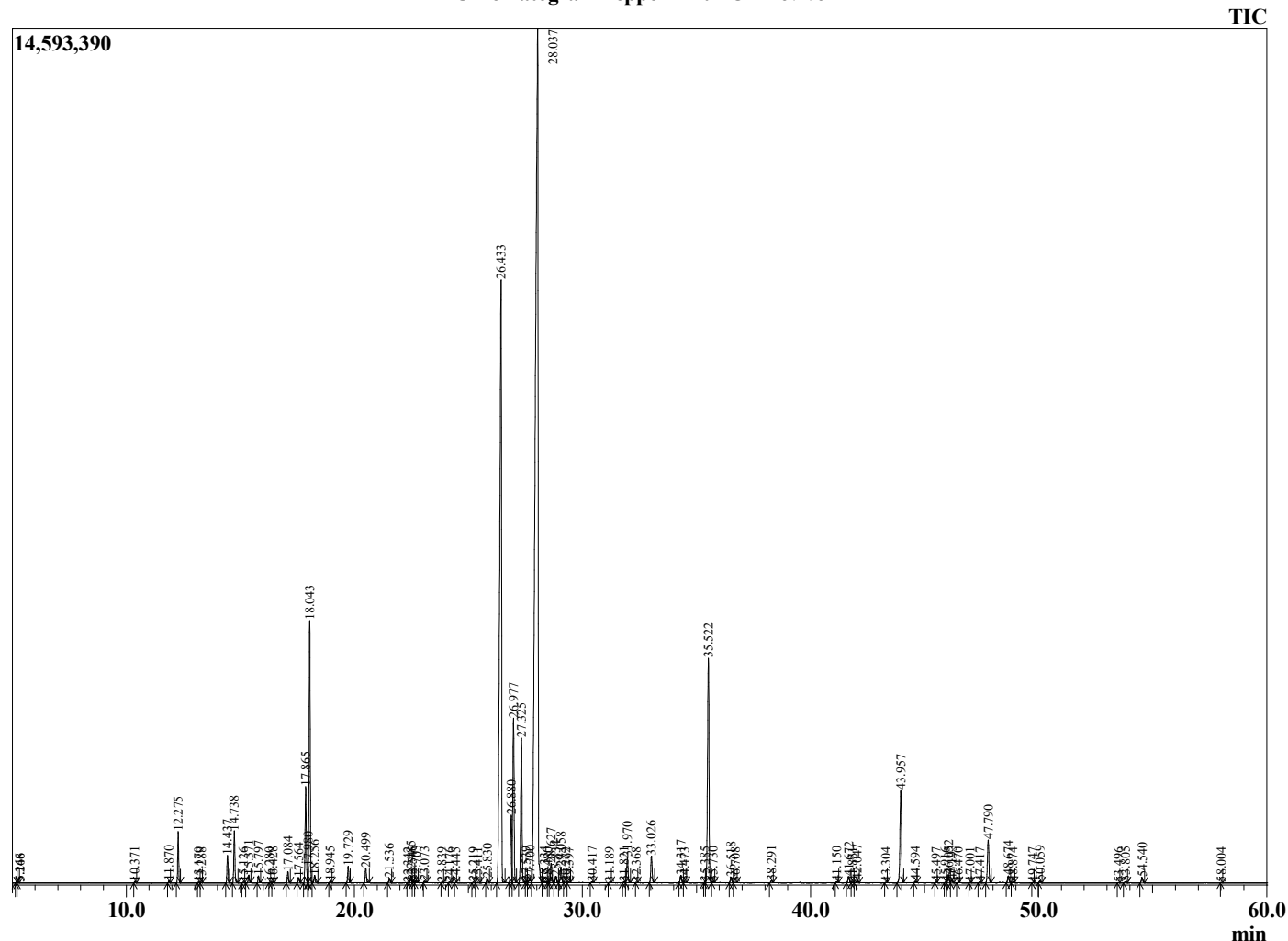
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 07/26/2024 4:38:28 PM
 Sample Type : Essential Oil
 Sample Name : Peppermint EO
 Sample ID : 9AL
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
4.040	3-Methylbutanal	0.02
4.145	2-Methylbutanal	0.02
5.168	1-Pentanol	0.01
5.246	2-Methylbutanol	0.01
10.371	2,5-Diethyltetrahydrofuran	0.03
11.870	alpha-Thujene	0.04
12.275	alpha-Pinene	0.92
13.170	Camphene	0.02
13.288	Unidentified	0.01
14.437	Sabinene	0.54
14.738	beta-Pinene	1.09
15.126	3-Octanone	0.02
15.371	Myrcene	0.16
15.797	Octan-3-ol	0.14
16.280	Pseudolimonene	0.00
16.428	alpha-Phellandrene	0.02
17.084	alpha-Terpinene	0.23
17.564	para-Cymene	0.11
17.865	Limonene	2.11
17.980	beta-Phellandrene	0.09
18.043	1,8-Cineole	5.61
18.256	cis-beta-Ocimene	0.17
18.945	trans-beta-Ocimene	0.04
19.729	gamma-Terpinene	0.35
20.499	trans-Sabinene hydrate	0.35
21.536	Terpinolene	0.10
22.342	Unidentified	0.01
22.485	Linalool	0.16
22.540	cis-Sabinene hydrate	0.04
22.703	2-Methylbutyl-2-methylbutyrate	0.04
23.073	2-Methylbutyl isovalerate	0.04
23.839	3-Octyl acetate	0.01
24.176	cis-para-Menth-2-en-1-ol	0.02
24.445	Unidentified	0.01
25.219	trans-Sabinol	0.02
25.411	trans-para-Menth-2-en-1-ol	0.02
25.830	Isopulegol	0.11
26.433	Menthone	20.52
26.880	Menthofuran	1.61
26.977	Isomenthone	3.96
27.325	Neomenthol	3.62
27.539	Unidentified	0.03
27.700	Unidentified	0.10
28.037	Menthol	43.61
28.334	Unidentified	0.06
28.480	Unidentified	0.01
28.627	Isomenthol	0.48
28.834	Neoisomenthol	0.17
29.058	alpha-Terpineol	0.39
29.272	Unidentified	0.02
29.397	Unidentified	0.02
30.417	Unidentified	0.02
31.189	Citronellol	0.01
31.821	cis-3-Hexenyl isovalerate	0.03
31.970	Pulegone	0.62
32.368	Unidentified	0.01
33.026	Piperitone	0.67
34.317	Neomenthyl acetate	0.20
34.473	Unidentified	0.01
35.385	Unidentified	0.02
35.522	Menthyl acetate	6.07
35.730	Unidentified	0.02

Chromatogram Peppermint EO - Revive



Comments:

The analysis of this Peppermint EO batch sample meets the expected chemical profile for authentic essential oil of *Mentha piperita*. 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%
36.518	Isomenthyl acetate	0.14
36.708	Unidentified	0.01
38.291	delta-Elemene	0.05
41.150	alpha-Copaene	0.03
41.672	beta-Bourbonene	0.16
41.851	alpha-Bourbonene	0.02
42.047	beta-Elemene	0.08
43.304	Unidentified	0.01
43.957	beta-Caryophyllene	2.57
44.594	beta-Copaene	0.04
45.497	Isogermacrene D	0.01
45.916	trans-Murrola-3,5-diene	0.01
46.052	trans-beta-Farnesene	0.20
46.193	alpha-Humulene	0.07
46.470	Alloaromodendrene	0.01
47.001	beta-Cubebene	0.01
47.417	gamma-Murolene	0.02
47.790	Germacrene D	1.17
48.674	Bicyclogermacrene	0.18
48.874	alpha-Murolene	0.02
49.747	Unidentified	0.01
50.059	delta-Cadinene	0.05
53.496	Unidentified	0.01
53.805	Caryophyllene oxide	0.03
54.540	Viridiflorol	0.14
58.004	epi-alpha-Murolol	0.01
		100.00