

Sample Information

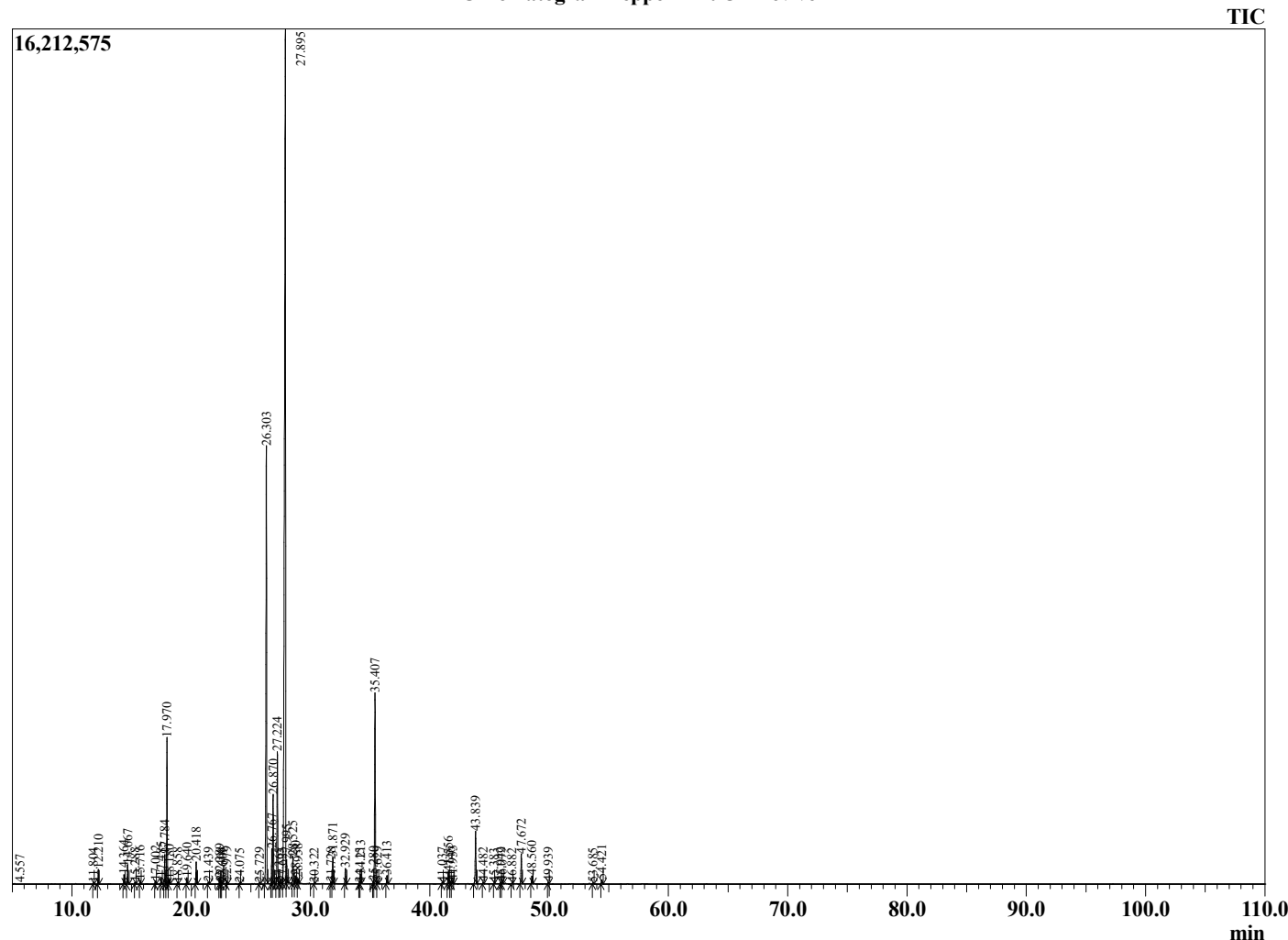
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/8/2023 5:08:53 PM
 Sample Type : Essential Oil
 Sample Name : Peppermint Oil Revive
 Sample ID : 7A
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.023	3-Methyl butanal	0.02
4.127	2-Methyl butanal	0.02
4.557	2-Ethylfuran	0.01
11.804	alpha-Thujene	0.02
12.210	alpha-Pinene	0.37
14.364	Sabinene	0.25
14.667	beta-Pinene	0.61
15.288	Myrcene	0.05
15.716	3-Octanol	0.11
17.002	alpha-Terpinene	0.10
17.485	para-Cymene	0.20
17.784	Limonene	0.86
17.970	1,8-Cineole	4.40
18.180	cis-beta-Ocimene	0.14
18.858	trans-beta-Ocimene	0.04
19.640	gamma-Terpinene	0.20
20.418	trans-4-Thujanol	0.71
21.439	Terpinolene	0.06
22.389	Linalool	0.18
22.468	trans-4-Thujanol	0.05
22.609	2-methylbutyl-2-methyl-Butyrate	0.03
22.979	2-methylbutyl-Isovalerate	0.09
24.075	cis-para-Menth-2-en-1-ol	0.03
25.729	Isopulegol	0.05
26.303	Menthone	15.52
26.767	Menthofuran	1.24
26.870	Isomenthone	3.12
27.224	Neomenthol	4.73
27.365	Unidentified	0.02
27.625	Unidentified	0.06
27.895	Menthol	50.04
27.995	Terpinen-4-ol	0.91
28.525	Isomenthol	0.92
28.730	Neoisomenthol	0.26
28.958	alpha-Terpineol	0.18
30.322	4-methyl-Dec-3-en-5-ol	0.02
31.728	cis-3-Hexenyl isovalerate	0.06
31.871	Pulegone	0.97
32.929	Piperitone	0.56
34.115	Isopulegyl acetate	0.02
34.213	Neomenthyl acetate	0.32
35.280	Unidentified	0.09
35.407	Menthyl acetate	7.15
35.629	Dihydroedulan	0.08
36.413	Isomenthyl acetate	0.31
41.037	alpha-Copaene	0.05
41.556	beta-Bourbonene	0.47
41.746	alpha-Bourbonene	0.04
41.933	beta-Elemene	0.13
43.839	beta-Caryophyllene	2.14
44.482	beta-Copaene	0.06
45.383	Isogermacrene D	0.02
45.942	trans-beta-Farnesene	0.06
46.079	alpha-Humulene	0.07
46.882	gamma-Cadinene	0.03
47.672	Germacrene D	1.17
48.560	Bicyclogermacrene	0.30
49.939	delta-Cadinene	0.06
53.685	Caryophyllene oxide	0.04
54.421	Viridiflorol	0.17
		100.00

Chromatogram Peppermint Oil Revive



Comments:

The analysis of this Peppermint 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.