

Sample Information

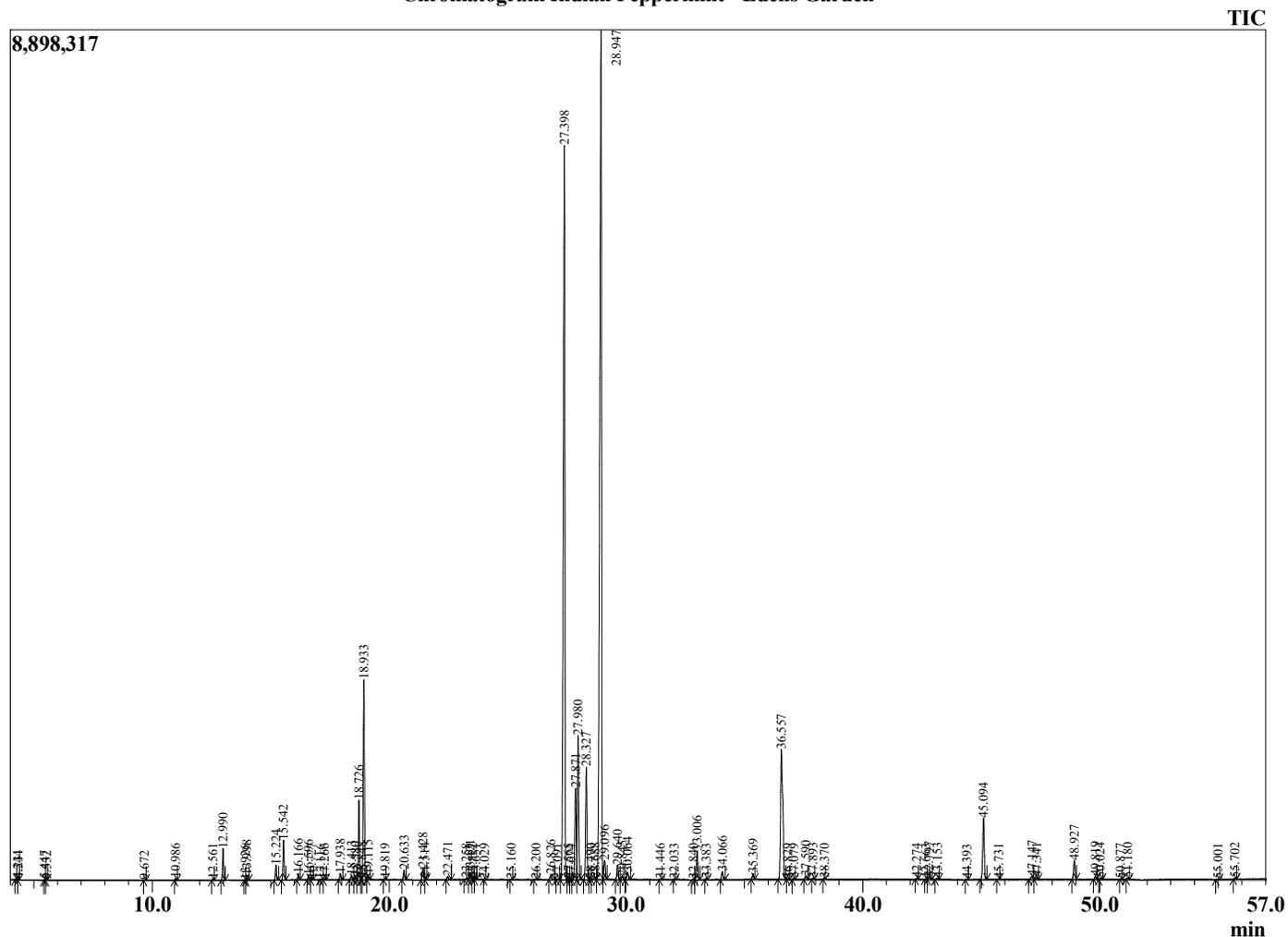
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/29/2022 3:43:50 PM
 Sample Type : Essential Oil
 Sample Name : Indian Peppermint - Edens Garden
 Sample ID : EG Lot #BB29HO
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
4.231	3-Methylbutanal	0.02
4.344	2-Methylbutanal	0.01
5.447	Isoamyl alcohol	0.01
5.532	2-Methyl butanol	0.01
9.672	Hexanol	0.01
10.986	2,5-Diethyltetrahydrofuran	0.04
12.561	alpha-Thujene	0.03
12.990	alpha-Pinene	0.78
13.926	Camphene	0.02
13.998	3-Methylcyclohexanone	0.11
15.224	Sabinene	0.39
15.542	beta-Pinene	1.05
16.166	Myrcene	0.16
16.596	3-Octanol	0.12
16.727	Unidentified	0.03
17.116	Pseudolimonene	0.01
17.266	alpha-Phellandrene	0.02
17.938	alpha-Terpinene	0.17
18.413	para-Cymene	0.12
18.580	2-Ethyl hexanol	0.08
18.726	Limonene	2.22
18.848	beta-Phellandrene	0.05
18.933	1,8-cineole	5.60
19.115	cis-beta-Ocimene	0.12
19.819	trans-beta-Ocimene	0.03
20.633	gamma-Terpinene	0.27
21.428	trans-Sabinene hydrate	0.41
21.514	Dihydromyrcenol	0.03
22.471	Terpinolene	0.10
23.258	3-Nonanol	0.04
23.421	Linalool	0.14
23.522	cis-Sabinene hydrate	0.03
23.651	2-Methylbutyl-2-methylbutyrate	0.03
24.029	2-Methylbutyl isovalerate	0.02
25.160	cis-para-Menth-2-en-1-ol	0.02
26.200	trans-Sabinol	0.02
26.826	Isopulegol	0.16
27.091	Unidentified	0.01
27.398	Menthone	26.61
27.565	para-Menthan-4-ol isomer	0.04
27.674	Unidentified	0.01
27.871	Menthofuran	2.93
27.980	Isomenthone	4.37
28.327	Neomenthol	3.53
28.490	Unidentified	0.02
28.688	trans-Isopulegone	0.07
28.947	Menthol	36.63
29.096	Terpinen-4-ol	0.65
29.640	Isomenthol	0.46
29.845	Neoisomenthol	0.11
30.064	alpha-Terpineol	0.25
31.446	Unidentified	0.02
32.033	Unidentified	0.01
32.840	Hex-(3Z)-enyl isovalerate	0.03
33.006	Pulegone	0.95
33.383	Carvone	0.04
34.066	Piperitone	0.25
35.369	Neomenthyl acetate	0.18
36.557	Menthyl acetate	6.64
36.829	Dihydroedulan I	0.02
37.079	Unidentified	0.03
37.590	Isomenthyl acetate	0.11

Chromatogram Indian Peppermint - Edens Garden



Comments:

The analysis of this Indian 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.

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R.Time	Name	Area%
37.893	Nonyl acetate	0.02
38.370	Neoisomenthyl acetate	0.02
42.274	alpha-Copaene	0.02
42.663	Unidentified	0.02
42.797	beta-Bourbonene	0.09
43.153	beta-Elemene	0.04
44.393	Unidentified	0.01
45.094	beta-Caryophyllene	2.22
45.731	beta-Copaene	0.02
47.147	trans-beta-Farnesene	0.12
47.341	alpha-Humulene	0.05
48.927	Germacrene D	0.64
49.819	Bicyclogermacrene	0.09
50.024	alpha-Murolene	0.05
50.877	gamma-Cadinene	0.01
51.180	delta-Cadinene	0.05
55.001	Unidentified	0.03
55.702	Viridiflorol	0.04
		100.00