

Sample Information

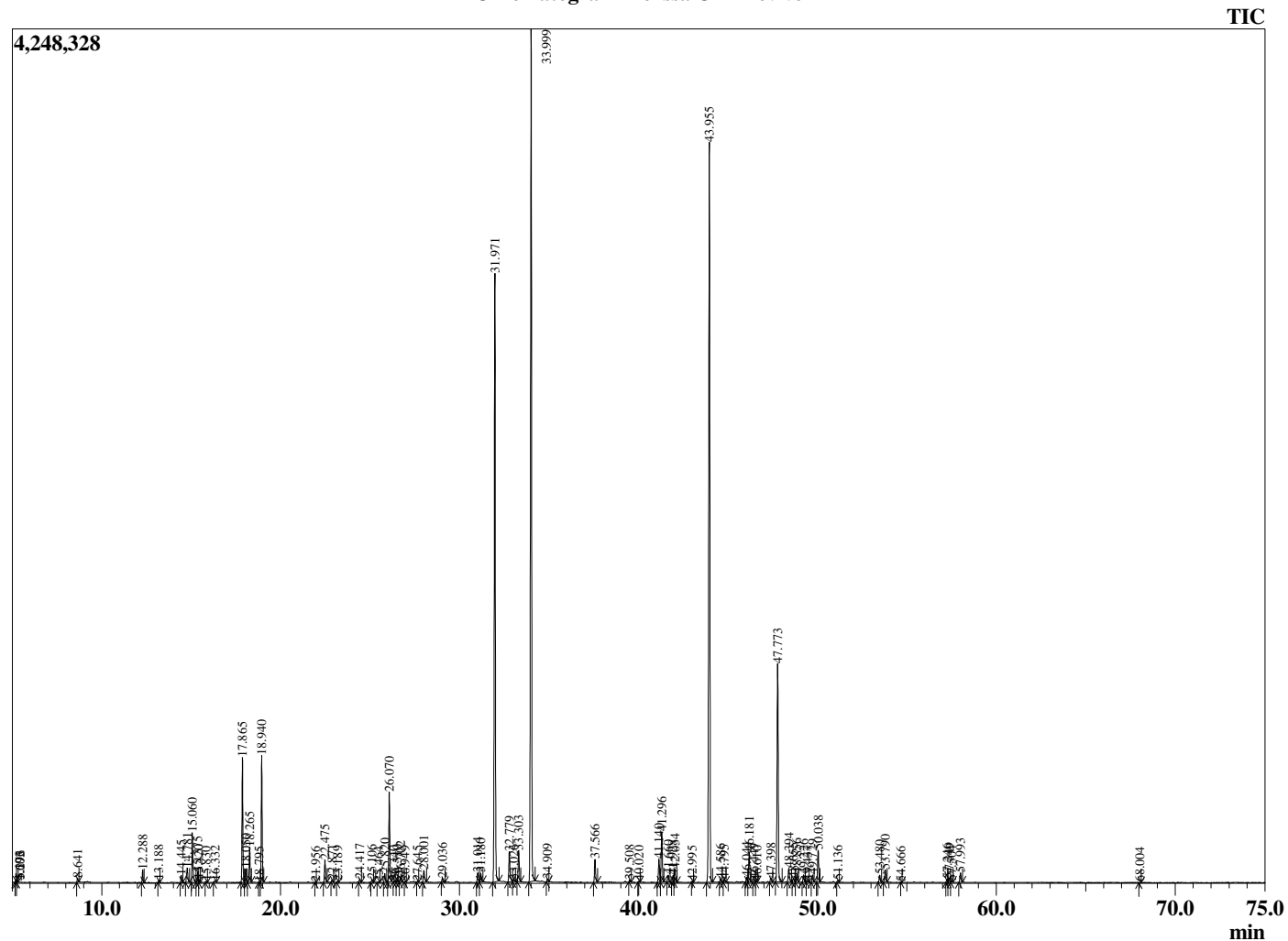
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/1/2022 6:22:45 PM
 Sample Type : Essential Oil
 Sample Name : Melissa Oil - Revive
 Sample ID : 3A
 Injection Volume : 0.10 µL
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.062	3-Methylbutanal	0.11
4.167	2-Methylbutanal	0.07
4.603	2-Ethylfuran	0.02
5.196	1-Pentanol	0.05
5.272	2-Methyl butanol	0.04
8.641	Hex-(3Z)-enol	0.10
12.288	alpha-Pinene	0.27
13.188	Camphene	0.05
14.445	Sabinene	0.16
14.781	beta-Pinene + 1-Octen-3-ol	0.47
15.060	6-Methyl hept-5-en-2-one	1.28
15.375	Myrcene	0.26
15.420	Isogeranial	0.05
15.830	Octan-3-ol	0.03
16.332	Hex-(3Z)-enyl acetate	0.05
17.865	Limonene	2.98
18.050	1,8-Cineole	0.36
18.265	(Z)-beta-Ocimene	0.89
18.795	Phenylacetaldehyde	0.02
18.940	(E)-beta-Ocimene	3.15
21.956	Rosefuran	0.01
22.475	Linalool	0.62
22.871	Nonanal	0.07
23.189	cis-Rose oxide	0.03
24.417	allo-Ocimene	0.10
25.106	Epiphocitral A	0.08
25.464	exo-Isocitral	0.02
25.820	trans-Chrysanthemal	0.25
26.070	Citronellal	2.43
26.340	Menthone	0.02
26.510	Isopulegol	0.05
26.702	Isoneral	0.16
26.949	Isomenthone	0.02
27.645	Unidentified	0.02
28.001	Isogeranial	0.41
29.036	alpha-Terpineol	0.11
31.014	Nerol	0.29
31.180	Citronellol	0.27
31.971	Neral	17.62
32.779	Geraniol	1.00
33.026	Piperitone	0.06
33.303	Methyl citronellate	0.91
33.999	Geranial	25.72
34.909	Unidentified	0.09
37.566	Methyl geranate	0.67
39.508	Eugenol	0.07
40.020	Neryl acetate	0.03
41.140	alpha-Copaene	0.70
41.296	Geranyl acetate	1.53
41.660	beta-Bourbonene	0.20
41.928	beta-Cubebene	0.20
42.034	beta-Elemene	0.41
42.995	cis-beta-Caryophyllene	0.02
43.955	trans-beta-Caryophyllene	23.02
44.586	beta-Copaene	0.10
44.795	trans-alpha-Bergamotene	0.08
46.044	(E)-beta-Farnesene	0.15
46.181	alpha-Humulene	0.95
46.449	Alloaromodendrene	0.10
46.610	Unidentified	0.03
47.398	trans-Cadina-1(6),4-diene	0.13
47.773	Germacrene D	7.16

Chromatogram Melissa Oil - Revive



Comments:

The analysis of this Melissa batch sample meets the expected chemical profile for authentic essential oil of *Melissa officinalis*. 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%
48.394	(Z,E)-alpha-Farnesene	0.47
48.655	Bicyclogermacrene	0.15
48.856	alpha-Murolene	0.28
49.226	(E,E)-alpha-Farnesene	0.21
49.437	beta-Bisabolene	0.05
49.729	gamma-Cadinene	0.23
50.038	delta-Cadinene	0.99
51.136	alpha-Cadinene	0.06
53.480	Unidentified	0.22
53.790	Caryophyllene oxide	0.42
54.666	Unidentified	0.01
57.246	tau-Cadinol	0.10
57.349	epi-alpha-Cadinol	0.15
57.504	delta-Cadinol	0.04
57.993	alpha-Cadinol	0.31
68.004	Phytone	0.01
		100.00