

Sample Information

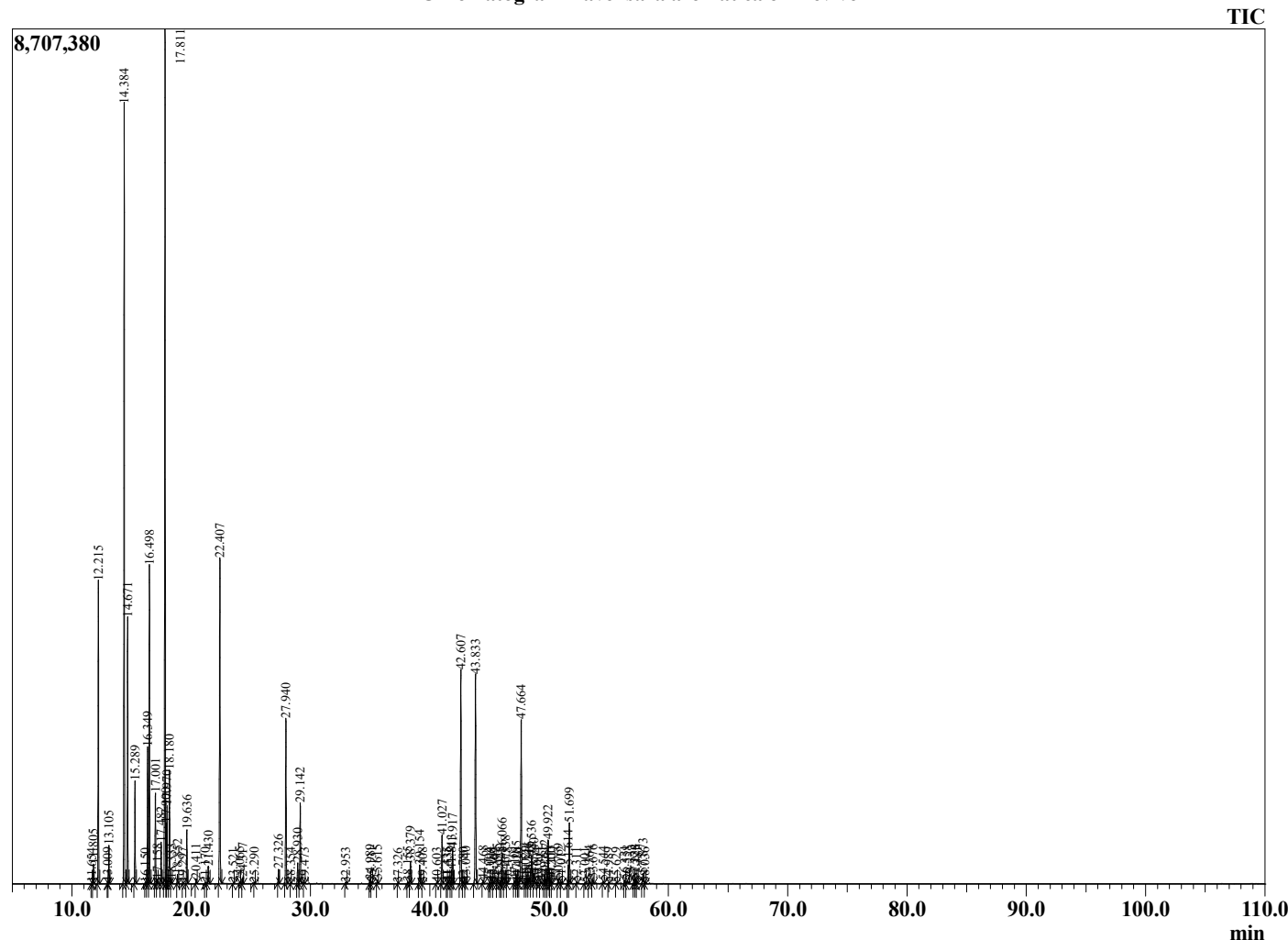
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 5/20/2023 2:43:29 AM
 Sample Type : Essential Oil
 Sample Name : Ravensara aromatica oil Revive
 Sample ID : 2T
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
11.654	Tricyclene	0.01
11.805	alpha-Thujene	0.31
12.215	alpha-Pinene	4.77
13.009	alpha-Fenchene	0.03
13.105	Camphene	0.64
14.384	Sabinene	13.91
14.671	beta-Pinene	4.56
15.289	Myrcene	1.84
16.150	alpha-Terpinene	0.03
16.349	alpha-Phellandrene	2.48
16.498	delta-3-Carene	5.90
17.001	alpha-Terpinene	1.66
17.158	ortho-Cymene	0.08
17.482	para-Cymene	0.81
17.811	Limonene	17.49
17.900	beta-Phellandrene	0.94
17.970	1,8-Cineole	1.39
18.180	cis-beta-Ocimene	2.17
18.333	2-heptyl-Acetate	0.09
18.852	trans-beta-Ocimene	0.17
19.297	alpha-Thujene	0.02
19.636	gamma-Terpinene	1.03
20.411	trans-4-Thujanol	0.10
21.170	Unidentified	0.02
21.430	Terpinolene	0.38
22.407	Linalool	6.93
23.521	Unidentified	0.01
24.065	Unidentified	0.03
24.317	allo-Ocimene	0.13
25.290	cis-para-2-Menthen-1-ol	0.02
27.326	Borneol	0.30
27.940	Terpinen-4-ol	3.54
28.354	para-Cymen-8-ol	0.01
28.930	alpha-Terpineol	0.46
29.142	Methyl chavicol	1.76
29.473	alpha-Phellandrene epoxide	0.02
32.953	Unidentified	0.03
34.989	Bornyl acetate	0.08
35.131	trans-Anethole	0.04
35.615	Dihydroedulan	0.08
37.326	Unidentified	0.01
38.155	Elemene isomer	0.04
38.379	delta-Elemene	0.51
39.154	alpha-Cubebene	0.46
39.408	Eugenol	0.02
40.603	alpha-Ylangene	0.02
41.027	alpha-Copaene	1.15
41.435	Elemene isomer	0.03
41.536	beta-Bourbonene	0.04
41.813	cis-Cadina-1(6),4-diene	0.33
41.917	beta-Elemene	0.82
42.607	Methyleugenol	4.99
42.780	Unidentified	0.02
43.040	alpha-Gurjunene	0.04
43.833	beta-Caryophyllene	5.24
44.468	beta-Copaene	0.09
45.004	Copaene isomer	0.04
45.188	Guaia-6,9-diene	0.04
45.369	(-)-Alloaromadendrene	0.01
45.665	trans-Murrola-3,5-diene	0.13
45.925	trans-beta-Farnesene	0.03
46.066	alpha-Humulene	0.75

Chromatogram Ravensara aromatica oil Revive



Comments:

The analysis of this Ravensara batch sample meets the expected chemical profile for authentic essential oil of *Ravensara aromatica*. 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%
46.338	gamma-Caryophyllene	0.34
46.478	Unidentified	0.02
47.101	trans-Muurolo-4(14),5-diene	0.09
47.285	gamma-Muuroloene	0.18
47.410	Unidentified	0.01
47.664	Germacrene D	4.10
48.029	delta-Selinene	0.05
48.144	alpha-Selinene	0.15
48.316	cis-Muurolo-4(14),5-diene	0.22
48.536	gamma-Elemene	0.79
48.740	beta-Selinene	0.25
49.004	Cadinene isomer	0.04
49.311	beta-Bisabolene	0.06
49.612	gamma-Cadinene	0.21
49.737	4-epi-cubedol	0.11
49.922	delta-Cadinene	1.07
50.113	cis-Calamenene	0.08
50.200	Unidentified	0.03
50.769	trans-Cadine-1,4-diene	0.12
51.012	alpha-Cadinene	0.04
51.614	Elemicin	0.35
51.699	alpha-Elemol	1.53
52.311	Germacrene B	0.03
53.001	Palustrol	0.02
53.364	Spathulenol	0.07
53.676	Caryophyllene oxide	0.10
54.544	Guaiol	0.05
54.989	Ledol	0.01
55.629	Unidentified	0.02
56.331	1-epi-Cubenol	0.09
56.558	gamma-eudesmol	0.09
57.134	epi-alpha-Cadinol	0.10
57.228	epi-alpha-Muurolol	0.11
57.381	delta-Cadinol	0.05
57.873	alpha-Cadinol	0.31
58.036	Unidentified	0.03
		100.00