

Sample Information

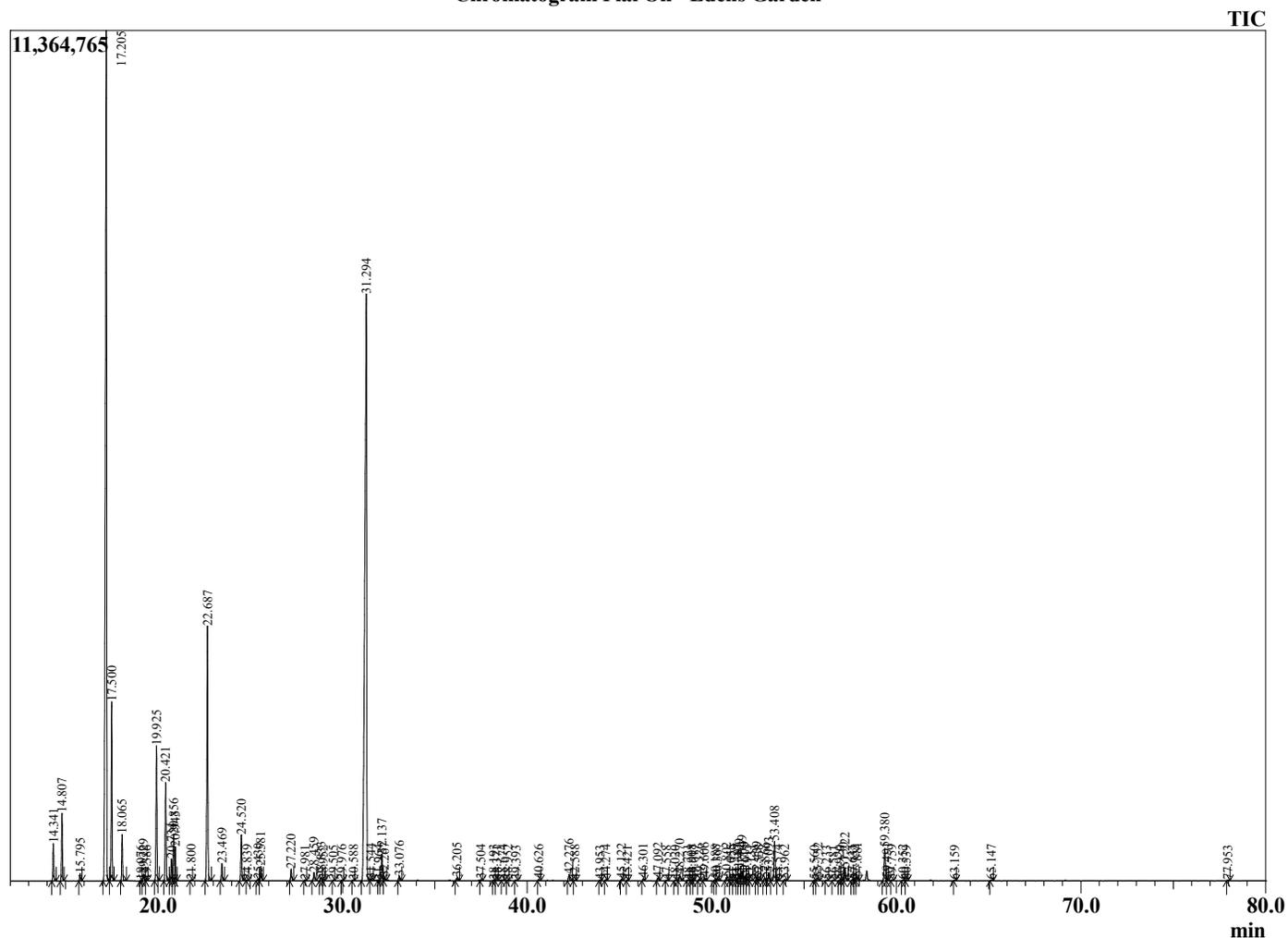
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/28/2022 3:34:40 AM
 Sample Type : Essential Oil
 Sample Name : Plai Oil - Edens Garden
 Sample ID : EG Lot #BB11GAV
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
14.341	alpha-Thujene	0.89
14.807	alpha-Pinene	1.63
15.795	Camphene	0.18
17.205	Sabinene	31.72
17.500	beta-Pinene	4.50
18.065	Myrcene	1.21
19.076	Pseudolimonene	0.01
19.229	alpha-Phellandrene	0.19
19.386	delta-3-Carene	0.01
19.925	alpha-Terpinene	3.64
20.421	para-Cymene	2.72
20.734	Limonene	0.61
20.856	beta-Phellandrene	1.31
20.943	1,8-Cineole	0.87
21.800	(E)-beta-Ocimene	0.02
22.687	gamma-Terpinene	7.60
23.469	trans-Sabinene hydrate	0.49
24.520	Terpinolene	1.31
24.839	para-Cymenene	0.01
25.430	Linalool	0.05
25.581	cis-Sabinene hydrate	0.43
27.220	cis-para-Menth-2-en-1-ol	0.35
27.981	Unidentified	0.02
28.459	trans-para-Menth-2-en-1-ol	0.27
28.833	Camphor	0.11
28.952	Unidentified	0.02
29.505	Unidentified	0.01
29.976	Isoborneol	0.02
30.588	Borneol	0.03
31.294	Terpinen-4-ol	32.07
31.544	para-Cymen-8-ol	0.06
31.964	Unidentified	0.01
32.137	alpha-Terpineol	0.85
32.267	cis-Piperitol	0.09
33.076	trans-Piperitol	0.14
36.205	Unidentified	0.10
37.504	cis-Ascidol glycol	0.04
38.193	Bornyl acetate	0.02
38.371	Unidentified	0.01
38.674	trans-Ascidol glycol	0.03
38.952	4-Terpinyl acetate	0.03
39.393	Unidentified	0.01
40.626	Unidentified	0.04
42.276	alpha-Terpinyl acetate	0.21
42.588	Eugenol	0.03
43.953	Unidentified	0.01
44.274	alpha-Copaene	0.04
45.122	beta-Elementene	0.05
45.421	Unidentified	0.01
46.301	alpha-Gurjunene	0.07
47.092	trans-beta-Caryophyllene	0.09
47.558	Unidentified	0.02
48.020	Unidentified	0.02
48.270	Aromadendrene	0.25
48.721	alpha-Guaiene	0.04
48.908	cis-Murrola-3,5-diene	0.03
49.017	(E)-beta-Farnesene	0.03
49.326	alpha-Humulene	0.05
49.606	Alloaromadendrene	0.11
50.188	Unidentified	0.05
50.307	cis-Murrola-4(14),5-diene	0.09
50.802	Ar-Curcumene	0.12

Chromatogram Plai Oil - Edens Garden



Comments:

The analysis of this Plai Oil batch sample meets the expected chemical profile for authentic essential oil of Zingiber cassumunar.

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%
51.055	Unidentified	0.03
51.229	Unidentified	0.04
51.387	beta-Selinene	0.05
51.499	Viridiflorene	0.24
51.649	alpha-Zingiberene	0.35
51.779	Bicyclogermacrene	0.16
51.915	alpha-Murolene	0.04
52.131	Unidentified	0.02
52.439	beta-Bisabolene	0.12
52.538	beta-Curcumene	0.04
52.866	cis-1-(3,4-Dimethoxyphenyl)but-1-ene	0.08
53.093	delta-Cadinene	0.27
53.408	beta-Sesquiphellandrene	1.32
53.574	Unidentified	0.02
53.962	trans-Cadina-1,4-diene	0.05
55.560	Germacrene B	0.01
55.752	cis-1-(3,4-dimethoxyphenyl)butadiene	0.09
56.233	Palustrol	0.02
56.581	Spathulenol	0.02
56.920	Caryophyllene oxide	0.01
57.130	Unidentified	0.07
57.222	trans-1-(3,4-Dimethoxyphenyl)but-1-ene	0.46
57.631	Viridiflorol	0.05
57.752	Guaiol	0.04
57.881	Curzerenone	0.11
59.380	trans-1-(3,4-Dimethoxyphenyl)butadiene	1.09
59.491	1-epi-Cubenol	0.07
59.759	Unidentified	0.01
60.352	Unidentified	0.03
60.539	delta-Cadinol	0.01
63.159	Germacrone	0.01
65.147	Unidentified	0.03
77.953	Unidentified	0.02
		100.00