

Sample Information

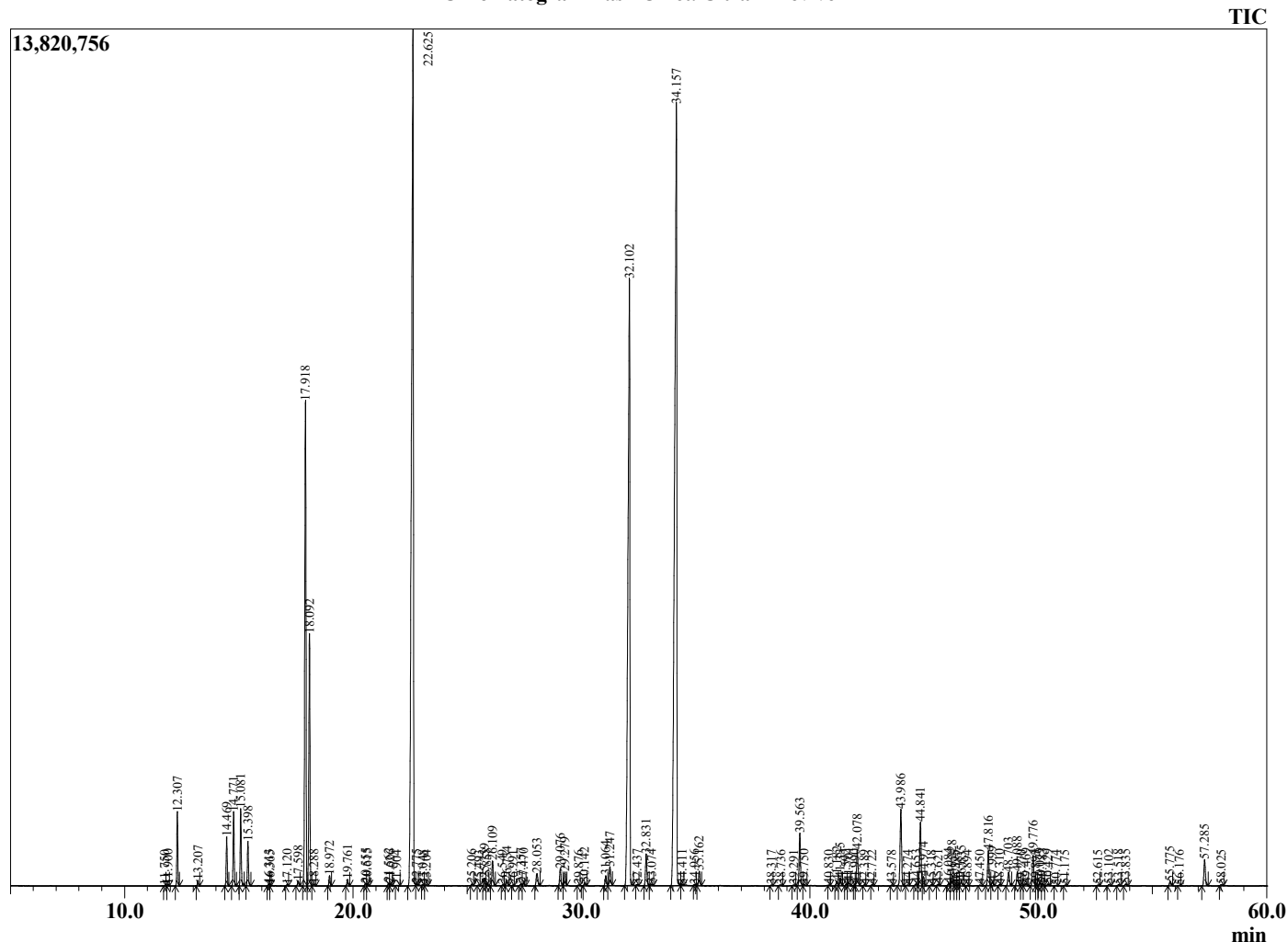
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/29/2022 10:28:45 PM
 Sample Type : Essential Oil
 Sample Name : Basil Oil ct. Citral - Revive
 Sample ID : 4M
 Injection Volume : 0.10
 Instrument ID: : GC-4



Peak Report TIC

R.Time	Name	Area%
4.043	3-Methylbutanal	0.00
11.750	Tricyclene	0.01
11.900	alpha-Thujene	0.02
12.307	alpha-Pinene	1.08
13.207	Camphene	0.08
14.469	Sabinene	0.76
14.771	beta-Pinene	1.17
15.081	6-Methylhept-5-en-2-one	1.21
15.398	Myrcene	0.72
16.313	Pseudolimonene	0.04
16.365	Unidentified	0.01
17.120	alpha-Terpinene	0.02
17.598	para-Cymene	0.09
17.918	Limonene	9.16
18.092	1,8-cineole	4.23
18.288	cis-beta-Ocimene	0.03
18.972	trans-beta-Ocimene	0.18
19.761	gamma-Terpinene	0.11
20.555	cis-Sabinene hydrate	0.05
20.615	4-Nonanone	0.04
21.562	Terpinolene	0.05
21.626	trans-Linalool oxide (furanoid)	0.03
21.904	Unidentified	0.02
22.625	Linalool	24.95
22.775	Unidentified	0.02
23.048	1-Octen-3-yl acetate	0.01
23.204	trans-Verbenol	0.02
25.206	cis-Myroxide	0.03
25.493	exo-Isocitral	0.01
25.759	Camphor	0.14
25.858	Isopulegol	0.04
26.109	Citronellal	0.48
26.549	Isopulegol	0.02
26.734	Isoneral	0.09
26.991	Menthone	0.01
27.357	delta-Terpineol	0.05
27.470	Borneol	0.06
28.053	Isogeranial + Terpinen-4-ol	0.31
29.076	alpha-Terpineol	0.34
29.279	Estragole	0.27
29.876	Unidentified	0.02
30.142	Octyl acetate	0.06
31.064	Nerol	0.21
31.247	Citronellol	0.42
32.102	Neral	17.23
32.437	Carvone	0.02
32.831	Geraniol	0.68
33.074	Piperitone	0.04
34.157	Geranial	25.37
34.411	Citronellyl formate	0.02
34.956	Unidentified	0.02
35.162	Bornyl acetate	0.30
38.317	delta-Elementene	0.02
38.736	Unidentified	0.02
39.291	Unidentified	0.02
39.563	Eugenol	1.06
39.750	Unidentified	0.03
40.830	Unidentified	0.01
41.182	alpha-Copaene	0.10
41.335	Geranyl acetate	0.16
41.592	Elementene isomer	0.04
41.701	beta-Bourbonene	0.08

Chromatogram Basil Oil ct. Citral - Revive



Comments:

The analysis of this Basil ct. Citral batch sample meets the expected chemical profile for authentic essential oil of *Ocimum citridorum*. 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%
41.990	Unidentified	0.02
42.078	beta-Elemene	0.77
42.389	beta-Cubebene	0.02
42.722	Methyleugenol	0.02
43.578	cis-alpha-Bergamotene	0.02
43.986	trans-beta-Caryophyllene	1.73
44.274	beta-Cedrene	0.02
44.653	Calarene	0.05
44.841	trans-alpha-Bergamotene	1.40
44.974	alpha-Guaiene	0.21
45.318	Sesquisabinene	0.02
45.621	Cadina-3,5-diene	0.03
46.084	trans-beta-Farnesene	0.06
46.228	alpha-Humulene	0.25
46.375	Unidentified	0.01
46.487	Unidentified	0.02
46.635	cis-Muurolo-4(14),5-diene	0.11
46.894	alpha-Acoradiene	0.01
47.450	beta-Acoradiene	0.02
47.816	Germacrene D	0.78
47.999	trans-beta-Bergamotene	0.09
48.310	beta-Selinene	0.02
48.703	Bicyclogermacrene	0.33
49.088	alpha-Bulnesene	0.33
49.270	trans,trans-alpha-Farnesene	0.01
49.469	beta-Bisabolene	0.06
49.776	gamma-Cadinene	0.68
49.893	Unidentified	0.01
50.079	delta-Cadinene	0.07
50.183	trans-Calamenene	0.05
50.429	beta-Sesquiphellandrene	0.04
50.774	Cubedol analogue	0.01
51.175	alpha-Cadinene	0.02
52.615	trans-Nerolidol	0.02
53.102	Maaliol	0.03
53.518	Spathulenol	0.03
53.835	Caryophyllene oxide	0.04
55.775	1,10-di-epi-Cubenol	0.10
56.176	epi-gamma-Eudesmol	0.01
57.285	epi-alpha-Cadinol	0.59
58.025	Unidentified	0.03
		100.00