

Sample Information

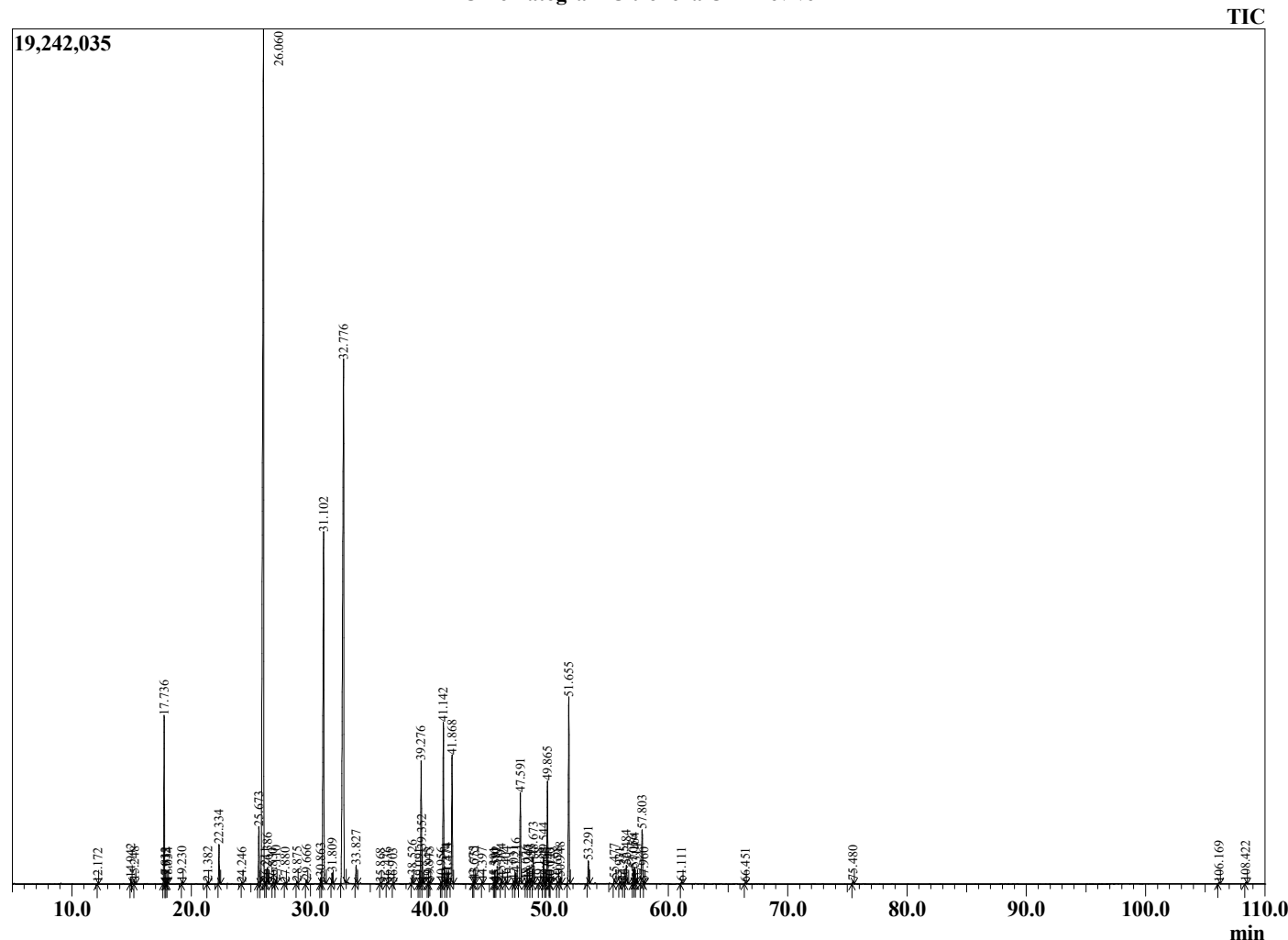
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/29/2023 10:50:07 PM
 Sample Type : Essential Oil
 Sample Name : Citronella Oil - Revive
 Sample ID : 8W
 Injection Volume : 0.10
 Instrument ID : GC-4



Peak Report TIC

R.Time	Name	Area%
3.615	1-Methylcyclopentene	0.01
4.007	Isovaleric aldehyde	0.01
12.172	alpha-Pinene	0.01
14.942	6-methyl-Hept-5-en-2-one	0.10
15.248	Myrcene	0.05
17.736	Limonene	3.32
17.832	beta-Phellandrene	0.03
17.915	Unidentified	0.02
18.034	Dihydromyrcenol	0.03
19.230	Melon aldehyde	0.06
21.382	Terpinolene	0.05
22.334	Linalool	0.82
24.246	Unidentified	0.03
25.673	Isopulegol	1.33
26.060	Citronellal	32.24
26.211	Isomenthone	0.06
26.386	Pulegol isomer	0.45
26.830	Menthone isomer	0.02
27.110	iso-Isopulegol	0.07
27.880	Terpinen-4-ol	0.03
28.875	alpha-Terpineol	0.06
29.666	Decanal	0.09
30.863	Nerol	0.15
31.102	Citronellol	10.56
31.809	Neral	0.24
32.776	Geraniol	21.18
33.827	Geranial	0.41
35.868	Geranyl formate	0.02
36.436	Citronellic acid	0.02
36.903	Pulegone	0.02
38.526	Citriodiol	0.20
39.091	alpha-Cubebene	0.02
39.276	Citronellyl acetate	3.17
39.352	Eugenol	0.54
39.845	Neryl acetate	0.02
39.973	Citriodiol	0.05
40.956	alpha-Copaene	0.04
41.142	Geranyl acetate	3.88
41.374	Elemene isomer	0.13
41.474	beta-Bourbonene	0.14
41.868	beta-Elemene	3.23
43.675	Unidentified	0.05
43.751	beta-Caryophyllene	0.10
44.397	Copaene isomer	0.05
45.391	Cadinadiene analog	0.02
45.510	Geranyl acetone	0.02
45.592	Cadina-3,5-diene	0.05
45.994	alpha-Humulene	0.13
46.404	cis-Muurolo-4(14),5-diene	0.06
47.031	cis-Cadina-1(6),4-diene	0.10
47.216	gamma-Muuroloene	0.28
47.591	Germacrene D	2.32
48.076	beta-Selinene	0.07
48.247	trans-Muurolo-4(14),5-diene	0.11
48.493	gamma-Gurjunene	0.17
48.673	alpha-Muuroloene	0.68
49.188	Selinene isomemr	0.03
49.544	gamma-Muuroloene	0.68
49.665	epi-Cubebol	0.05
49.865	delta-Cadinene	2.67
50.040	cis-Calamenene	0.03
50.123	Zonarene	0.03

Chromatogram Citronella Oil - Revive



Comments:

The analysis of this Citronella batch sample meets the expected chemical profile for authentic essential oil of *Cymbopogon winterianus*. 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%
50.698	trans-Cadina-1,4-diene	0.05
50.948	alpha-Cadinene	0.16
51.655	Elemol	4.93
53.291	Germacren D-4-ol	0.57
55.477	(2Z,6Z)-Farnesol	0.15
55.931	Eudesmol isomer	0.04
56.255	Epicubenol	0.05
56.484	gamma-Eudesmol	0.52
57.056	Muurolol isomer	0.38
57.164	epi-alpha-Muurolol	0.42
57.314	alpha-Muurolol	0.11
57.803	Cadin-4-en-10-ol	1.73
57.960	Intermedeol	0.03
61.111	Farnesol isomer a	0.05
66.451	Cryptomeridiol	0.02
75.480	Unidentified	0.08
106.169	Unidentified	0.03
108.422	Unidentified	0.05
		100.00