

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/29/2018 5:01:29 PM
 Sample Type : Essential Oil
 Sample Name : Lime Oil, Distilled
 Sample ID : Barefut-0107
 Injection Volume : 0.10
 Instrument ID : GC-3

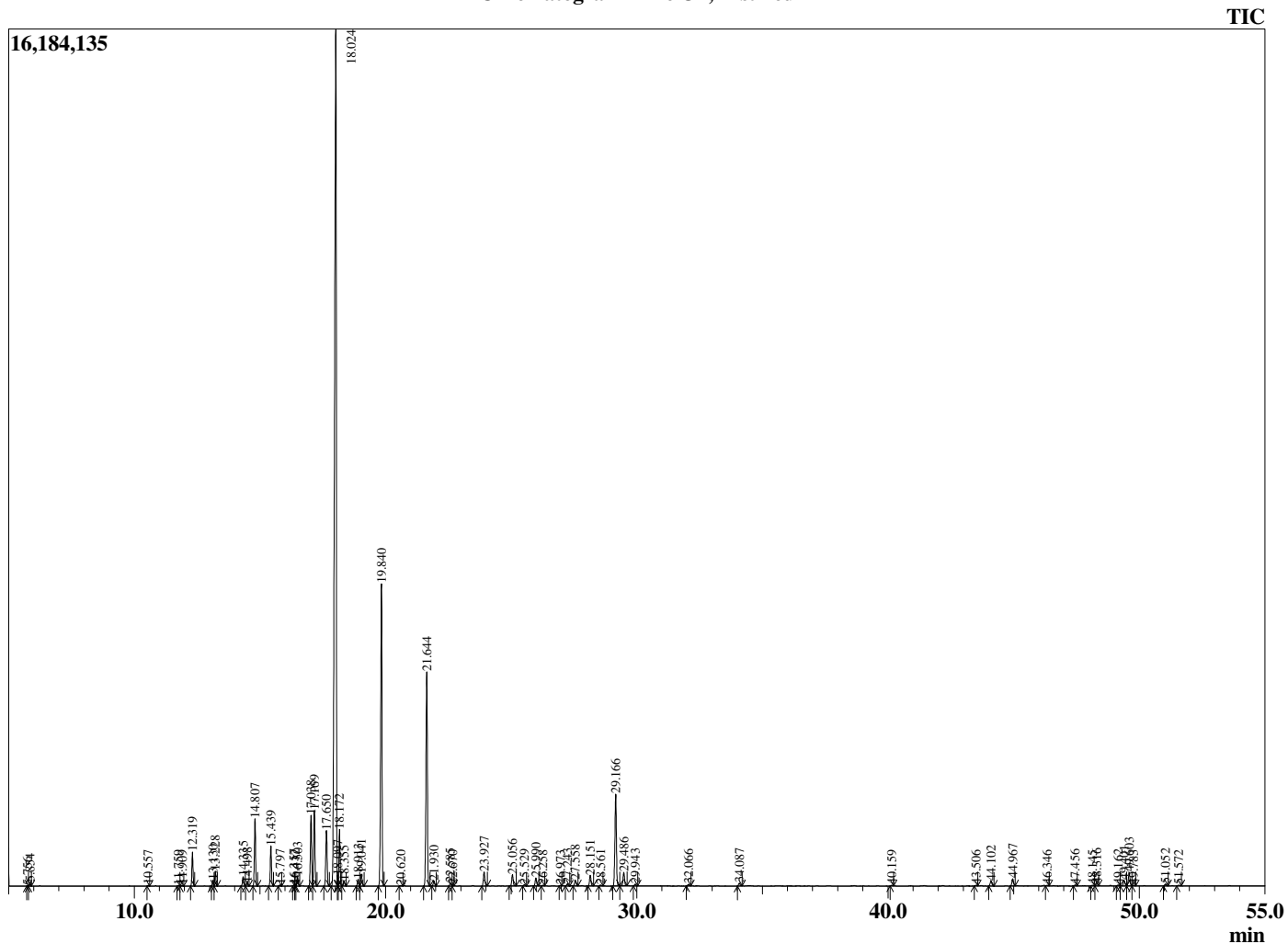


Peak Report TIC

R.Time	Name	Area%
5.756	Limediene isomer	0.01
5.854	Limediene isomer	0.08
10.557	Nonane	0.03
11.759	Tricyclene	0.02
11.909	alpha-Thujene	0.03
12.319	alpha-Pinene	1.16
13.130	alpha-Fenchene	0.20
13.228	Camphene	0.52
14.335	Bois de Rose oxide	0.36
14.498	Sabinene	0.13
14.807	beta-Pinene	2.48
15.439	Myrcene	1.50
15.797	Unidentified	0.04
16.357	Pseudolimonene	0.04
16.412	Unidentified	0.04
16.503	alpha-Phellandrene	0.36
17.038	1,4-Cineole	2.84
17.169	alpha-Terpinene	2.99
17.650	para-Cymene	2.39
18.024	Limonene	49.11
18.097	beta-Phellandrene	0.22
18.172	1,8-Cineole	2.05
18.355	cis-beta-Ocimene	0.19
18.913	2,2-dimethyl-5-(1-methyl-1-propenyl)-tetrahy	0.27
19.041	trans-beta-Ocimene	0.49
19.840	gamma-Terpinene	12.74
20.620	Unidentified	0.04
21.644	Terpinolene	9.48
21.930	para-Cymenene	0.22
22.585	Linalool	0.13
22.670	Undecane	0.02
23.927	alpha-Fenchol	0.64
25.056	Terpin-3-en-1-ol	0.52
25.529	Unidentified	0.05
25.990	trans-beta-Terpineol	0.37
26.258	Unidentified	0.03
26.973	Unidentified	0.03
27.243	Unidentified	0.10
27.558	Borneol	0.27
28.151	Terpinen-4-ol	0.50
28.561	para-Cymen-8-ol	0.04
29.166	alpha-Terpineol	4.22
29.486	gamma-Terpineol	0.63
29.943	Decanal	0.08
32.066	Neral	0.08
34.087	Geranial	0.14
40.159	Neryl acetate	0.03
43.506	Dodecanal	0.03
44.102	beta-Caryophyllene	0.26
44.967	trans-alpha-Bergamotene	0.36
46.346	alpha-Humulene	0.04
47.456	Unidentified	0.05
48.145	Unidentified	0.04
48.316	delta-Selinene	0.11
49.162	cis-alpha-Bisabolene	0.05
49.401	(E,E)-alpha-Farnesene	0.27
49.603	beta-Bisabolene	0.70
49.783	Unidentified	0.04
51.052	alpha-Maaline	0.10
51.572	Unidentified	0.05
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Lime Oil, Distilled



Comments:

The analysis of this Lime Oil, Distilled batch sample meets the expected chemical profile for authentic essential oil of *Citrus aurantifolia*. No contamination or adulteration was detected.