

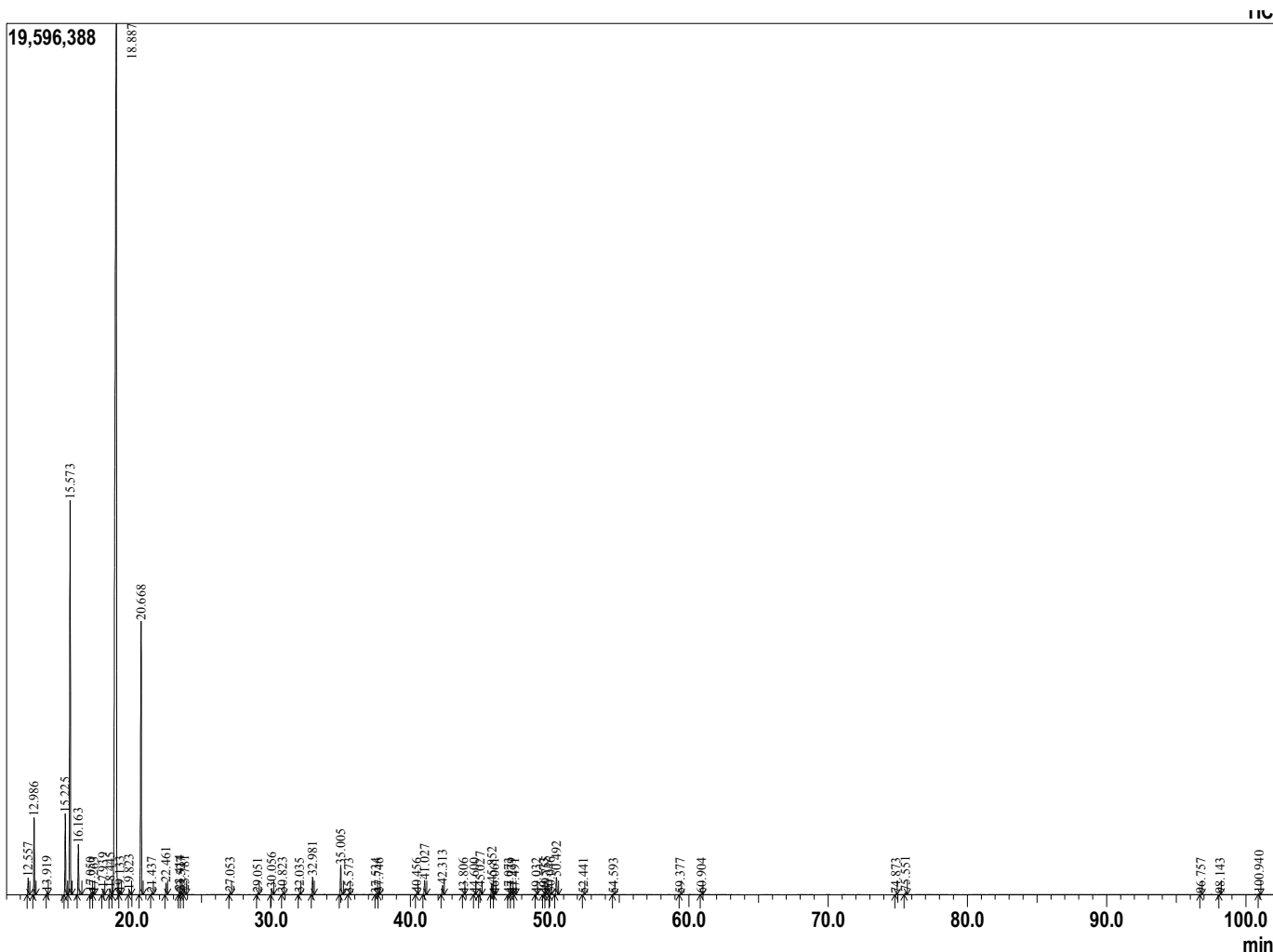
Sample Information

Analyzed by : Dr. Prabodh Satyal
 Analyzed : 3/22/2018 4:47:18 PM
 Sample Type : Essential Oil
 Sample Name : Lemon
 Lot# : 18000150
 Injection Volume : 0.10



Peak Report TIC

R.Time	Name	Area%
12.557	Thujene <alpha->	0.48
12.986	Pinene <alpha->	2.19
13.919	Camphene	0.07
15.225	Sabinene	2.58
15.573	Pinene <beta->	13.99
16.163	Myrcene	1.63
17.050	Octanal	0.07
17.263	Phellandrene<alpha->	0.05
17.939	Terpinene <alpha->	0.20
18.445	Cymene<para->	0.26
18.887	Limonene	61.76
19.133	Ocimene <Z-beta>	0.09
19.823	Ocimene <E-beta>	0.16
20.668	Terpinene <gamma>	10.27
21.437	Sabinene hydrate <cis->	0.05
22.461	Terpinolene	0.41
23.414	Linalool	0.12
23.527	Sabinene hydrate <trans->	0.05
23.781	Nonanal	0.13
27.053	Citronellal	0.08
29.051	Terpinen-4-ol	0.04
30.056	Terpineol <alpha->	0.24
30.823	Decanal	0.05
32.035	Nerol	0.04
32.981	Neral	0.65
35.005	Geranial	1.13
35.573	Perilla aldehyde	0.02
37.534	Ascaridole<E>	0.02
37.746	Undecanal	0.03
40.456	Citronellyl acetate	0.03
41.027	Neryl acetate	0.57
42.313	Geranyl acetate	0.38
43.806	Tetradecane	0.02
44.600	Bergamotene<alpha-cis->	0.03
45.027	Caryophyllene <trans>	0.29
45.852	Bergamotene <trans-alpha>	0.48
46.061	Isocaryophyllene	0.02
47.073	Farnesene<(E)-beta->	0.03
47.279	Humulene <alpha->	0.02
47.491	Santalene <beta->	0.01
49.032	Farnesene <alpha-cis-cis->	0.03
49.573	Valencene	0.03
49.755	Bicyclogermacrene	0.11
50.046	Bisabolene <cis-alpha>	0.06
50.492	Bisabolene <beta->	0.74
52.441	Bisabolene <trans-alpha>	0.02
54.593	Germacrene-D-4-ol	0.03
59.377	cis-eudesmane-4-on-11-ol	0.02
60.904	Bisabolol <alpha-> II	0.03
74.873	Palmitic acid	0.02
75.551	Citropten	0.09
96.757	Oxypeucedanin	0.02
98.143	Isooxypeucedanin	0.02
100.940	Pabulenol	0.03
		100.00



Comments:
 The analysis of this Lemon batch sample meets the expected chemical profile of authentic essential oil of Citrus x limon.

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Reviewed by: Ambika Poudel