

Sample Information

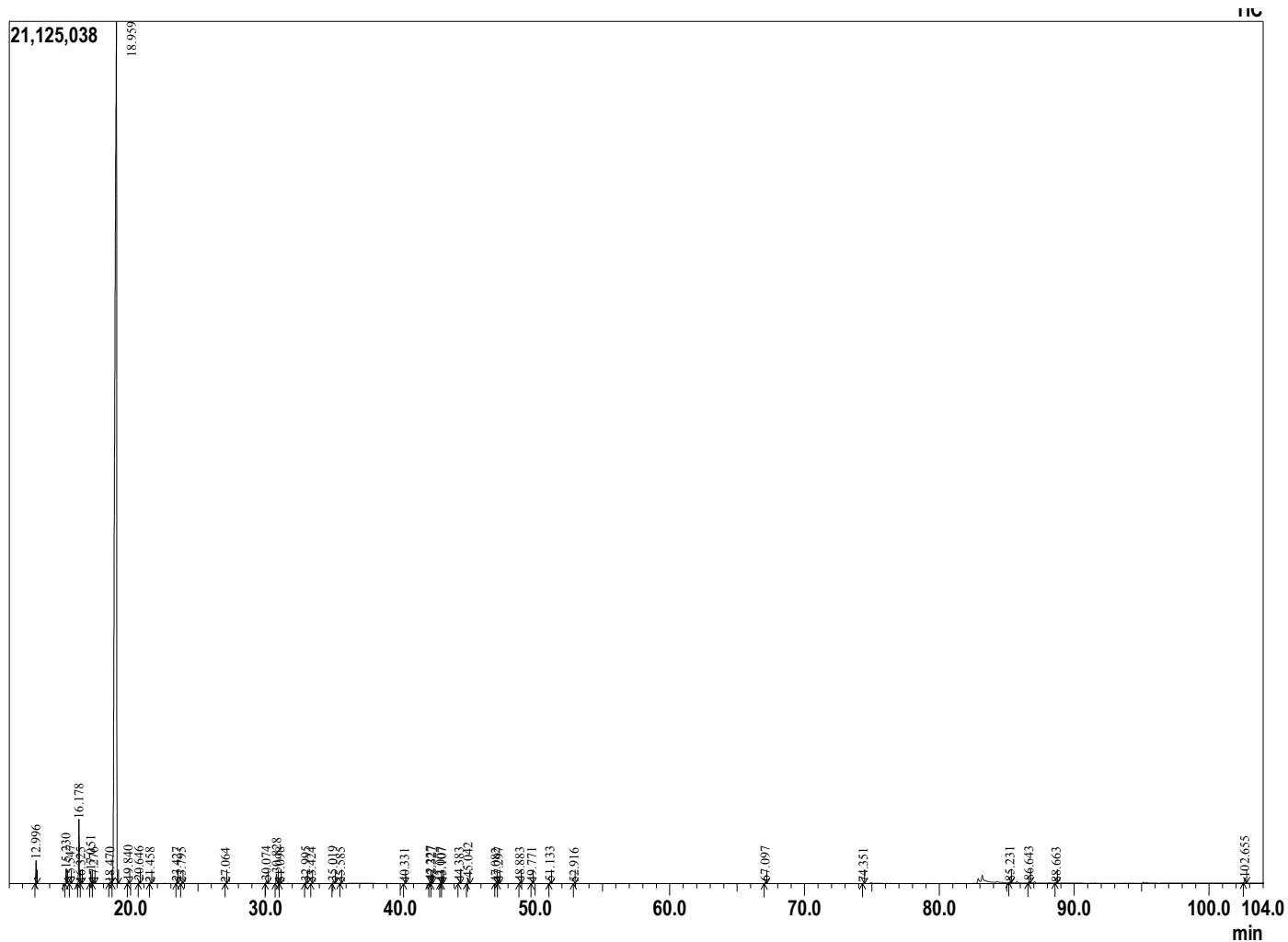
Analyzed by : Dr. Prabodh Satyal
Analyzed : 3/16/2018 10:54:01 AM
Sample Type : Essential Oil
Sample Name : Grapefruit
Lot# : 18000211
Injection Volume : 0.10



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Peak Report TIC

R.Time	Name	Area%
12.996	Pinene <alpha>	0.79
15.230	Sabinene	0.53
15.547	Pinene <beta>	0.08
16.178	Myrcene	2.46
16.325	Linalool oxide<dehydroxy-trans>	0.03
17.051	Octanal	0.50
17.276	Phellandrene <alpha>	0.06
18.470	Cymene <para>	0.04
18.959	Limonene	93.11
19.840	Ocimene <E-beta>	0.10
20.646	Terpinene <gamma>	0.09
21.458	Octanol<n->	0.03
23.427	Linalool	0.05
23.795	Nonanal	0.03
27.064	Citronellal	0.01
30.074	Terpineol <alpha>	0.10
30.828	Decanal	0.43
31.098	Octyl acetate	0.03
32.995	Neral	0.08
33.424	Carvone	0.02
35.019	Geranial	0.08
35.585	Perillaldehyde	0.01
40.331	Cubebene <alpha>	0.01
42.227	Copaene <alpha>	0.10
42.327	Geranyl acetate	0.06
43.007	Cubebene <beta>	0.05
43.107	Elemene <beta>	0.02
44.383	Dodecanal	0.07
45.042	Caryophyllene <trans>	0.28
47.082	Farnesene<(E)-beta>	0.02
47.297	Humulene <alpha>	0.06
48.883	Germacrene D	0.05
49.771	Bicyclogermacrene	0.02
51.133	Cadinene <delta>	0.08
52.916	Elemol <alpha>	0.02
67.097	Nootkatone	0.08
74.351	Springene <alpha>	0.02
85.231	Bergaptol	0.03
86.643	Geigerine	0.07
88.663	Isogeigemine	0.02
102.655	Auraptene	0.29
		100.00



Comments:
 The analysis of this Grapefruit batch sample meets the expected chemical profile of authentic essential oil of *Citrus x paradisi*.

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Reviewed by: Ambika Poudel