

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/3/2019 9:57:48 PM
 Sample Type : Essential Oil
 Sample Name : Sweet Orange - Barefut
 Sample ID : 0108
 Injection Volume : 0.10
 Instrument ID : GC-3

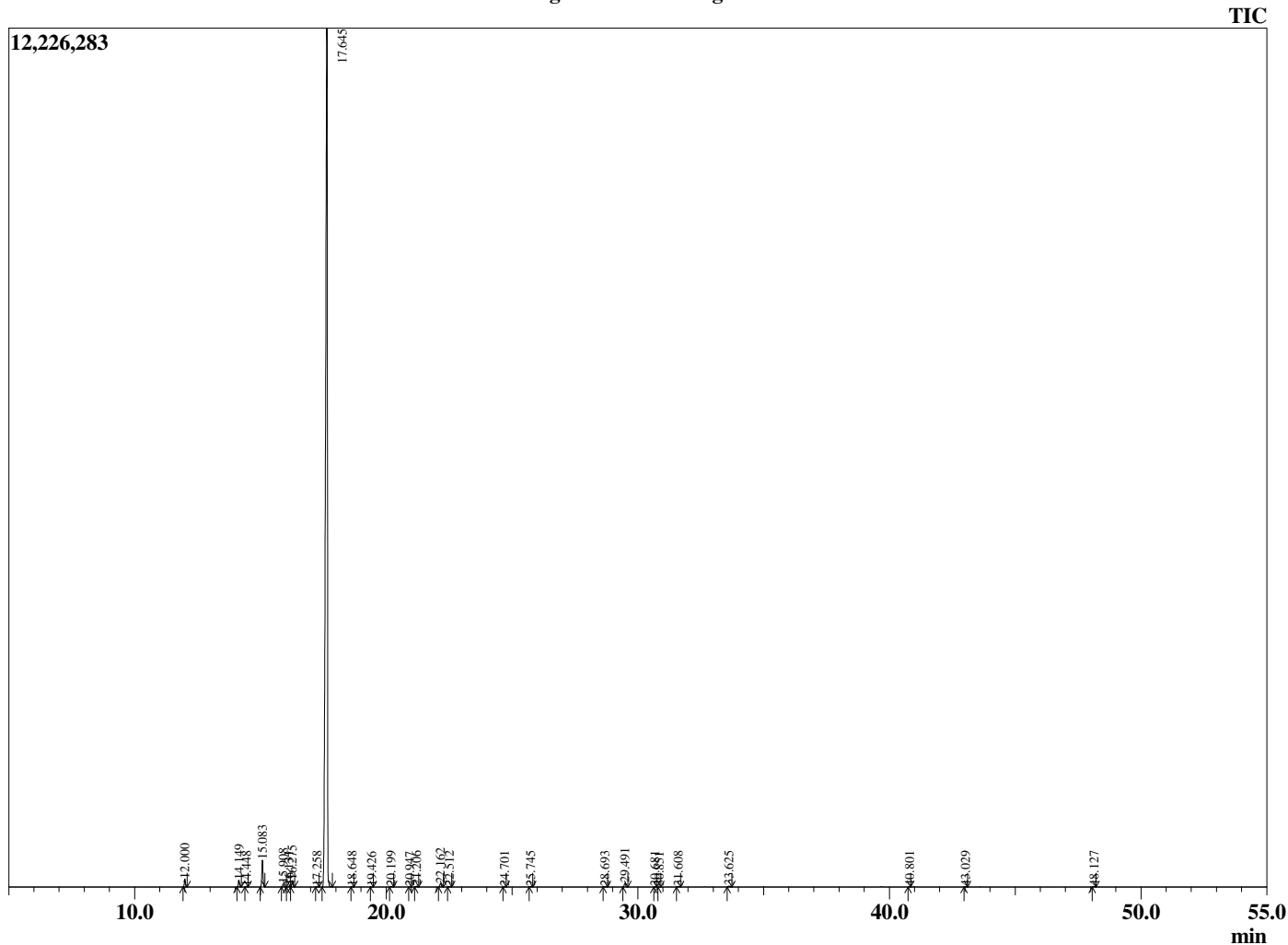


Peak Report TIC

R.Time	Name	Area%
12.000	alpha-Pinene	0.54
14.149	Sabinene	0.48
14.448	beta-Pinene	0.04
15.083	Myrcene	1.94
15.908	Octanal	0.26
16.131	alpha-Phellandrene	0.07
16.275	delta-3-Carene	0.48
17.258	para-Cymene	0.02
17.645	Limonene	94.92
18.648	trans-beta-Ocimene	0.02
19.426	gamma-Terpinene	0.01
20.199	n-Octanol	0.06
20.947	Isoterpinolene	0.01
21.206	Terpinolene	0.07
22.162	Linalool	0.31
22.512	Nonanal	0.04
24.701	cis-Limonene oxide	0.02
25.745	Citronellal	0.05
28.693	alpha-Terpineol	0.06
29.491	Decanal	0.33
30.681	Nerol	0.01
30.851	Citronellol	0.01
31.608	Neral	0.05
33.625	Geranial	0.10
40.801	alpha-Copaene	0.02
43.029	Dodecanal	0.03
48.127	Valencene	0.05
		100.00

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

Chromatogram Sweet Orange - Barefut



Comments:
 The analysis of this Sweet Orange batch sample meets the expected chemical profile for authentic essential oil of *Citrus sinensis*. No contamination or adulteration was detected.