

Sample Information

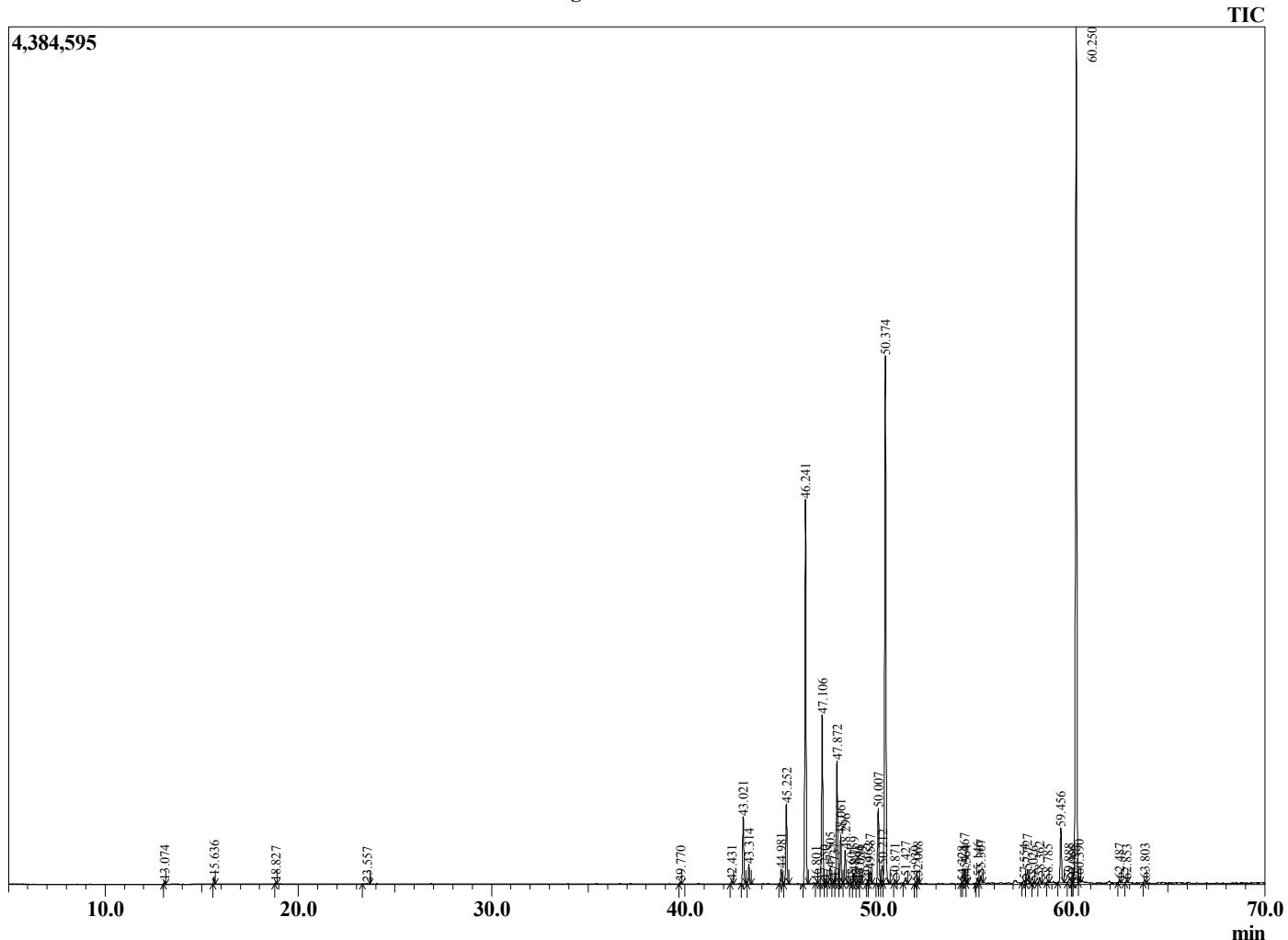
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/21/2019 11:34:35 AM
 Sample Type : Essential Oil
 Sample Name : Patchouli - Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
13.074	alpha-Pinene	0.09
15.636	beta-Pinene	0.21
18.827	Limonene	0.03
23.557	Linalool	0.02
39.770	delta-Elemene	0.06
42.431	alpha-Copaene	0.09
43.021	beta-Patchoulene	2.47
43.314	beta-Elemene	0.71
44.981	Cycloseychellene	0.54
45.252	beta-Caryophyllene	2.91
46.241	alpha-Guaiene	13.55
46.801	Unidentified	0.03
47.106	Seychellene	6.31
47.250	Unidentified	0.06
47.505	alpha-Humulene	0.54
47.737	Unidentified	0.17
47.872	alpha-Patchoulene	4.57
48.061	gamma-Patchoulene	1.80
48.296	9-epi-Caryophyllene	1.28
48.601	Unidentified	0.06
48.759	beta-Chamigrene	0.40
48.996	Unidentified	0.13
49.084	Unidentified	0.07
49.462	delta-Selinene	0.11
49.587	beta-Selinene	0.50
50.007	Aciphyllene	3.02
50.212	Unidentified	0.77
50.374	alpha-Bulnesene	19.89
50.871	trans-Cadina-1,4-diene	0.13
51.427	alpha-Panasinsene	0.26
51.939	Unidentified	0.05
52.068	Unidentified	0.23
54.328	Unidentified	0.04
54.467	Unidentified	0.56
54.564	Unidentified	0.05
55.146	Caryophyllene oxide	0.19
55.307	Unidentified	0.32
57.554	Unidentified	0.13
57.727	Unidentified	0.58
58.026	Unidentified	0.05
58.362	Unidentified	0.22
58.785	Unidentified	0.07
59.456	Pogostol	2.21
59.888	Unidentified	0.22
60.066	Unidentified	0.06
60.250	Patchouli alcohol	33.68
60.390	Valerianol	0.22
62.487	Unidentified	0.11
62.853	Unidentified	0.08
63.803	Longifolol	0.13
		100.00

Chromatogram Patchouli - Barefut



Comments:

The analysis of this Patchouli Oil batch sample meets the expected chemical profile for authentic essential oil of *Pogostemon cablin*. 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.