

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/26/2019 10:58:50 AM
 Sample Type : Essential Oil
 Sample Name : Dark Patchouli - Helias
 Sample ID : DOB1128E
 Injection Volume : 0.10
 Instrument ID : GC-4

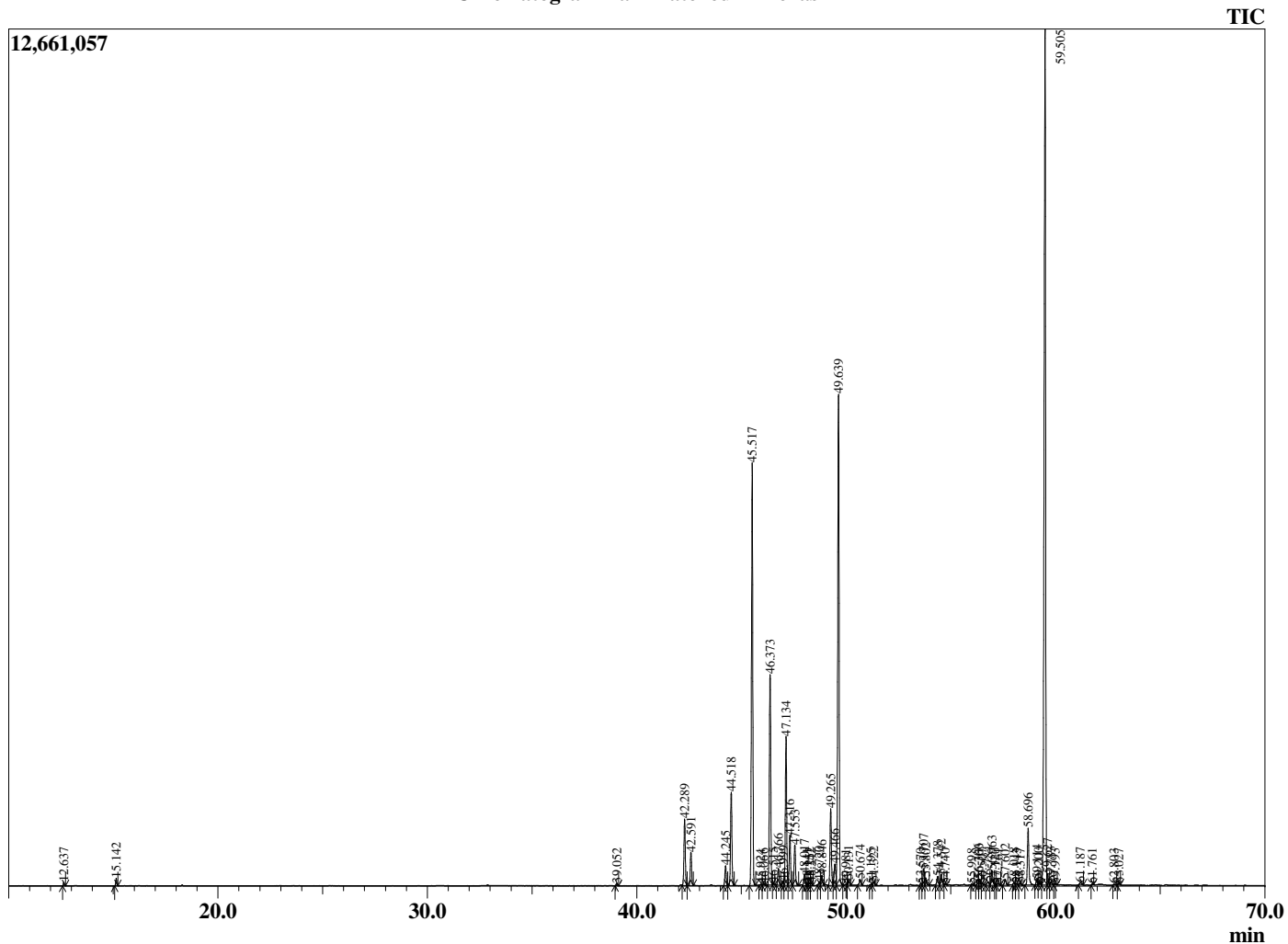


Peak Report TIC

R.Time	Name	Area%
12.637	alpha-Pinene	0.08
15.142	beta-Pinene	0.19
39.052	delta-Elemene	0.08
42.289	beta-Patchoulene	2.21
42.591	beta-Elemene	1.10
44.245	Cycloseychellene	0.66
44.518	beta-Caryophyllene	3.17
45.517	alpha-Guaiene	13.97
45.924	Unidentified	0.03
46.066	Unidentified	0.04
46.373	Seychellene	7.37
46.515	Unidentified	0.06
46.766	alpha-Humulene	0.53
46.999	Unidentified	0.13
47.134	alpha-Patchoulene	4.98
47.316	Patchoulene isomer	1.71
47.553	9-epi-Caryophyllene isomer	1.40
48.017	Unidentified	0.40
48.141	Italicene	0.06
48.252	Unidentified	0.09
48.342	Unidentified	0.08
48.720	delta-Selinene	0.13
48.846	beta-Selinene	0.33
49.265	alpha-Selinene	2.65
49.466	Unidentified	0.87
49.639	alpha-Bulnesene	17.35
49.981	Unidentified	0.03
50.131	Nootkatene	0.15
50.674	(-)-alpha-Panasinsen	0.22
51.195	Unidentified	0.04
51.322	Unidentified	0.12
53.570	Unidentified	0.06
53.707	D Norpatchoulenol	0.60
53.802	Unidentified	0.24
54.378	Caryophyllene oxide	0.34
54.542	Spathulenol	0.43
54.740	Unidentified	0.04
55.998	Unidentified	0.04
56.306	Unidentified	0.19
56.363	Unidentified	0.23
56.507	Unidentified	0.07
56.784	Unidentified	0.17
56.963	Unidentified	0.63
57.120	Unidentified	0.04
57.261	Unidentified	0.07
57.602	Unidentified	0.24
58.018	Unidentified	0.11
58.143	Unidentified	0.06
58.317	Unidentified	0.07
58.696	Pogostol	2.18
59.114	Unidentified	0.17
59.200	Unidentified	0.04
59.505	Patchouli alcohol	33.04
59.627	Unidentified	0.33
59.783	Unidentified	0.12
59.993	Unidentified	0.04
61.187	Unidentified	0.12
61.761	Pogostone	0.03
62.803	Unidentified	0.04
63.027	Longifolol	0.06
		100.00

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

Chromatogram Dark Patchouli - Helias



Comments:

The analysis of this Patchouli, Dark batch sample meets the expected chemical profile for authentic essential oil of *Pogostemon cablin*. No contamination or adulteration was detected.