

Sample Information

Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 1/23/2019 9:25:51 PM  
 Sample Type : Essential Oil  
 Sample Name : Allspice - Barefut  
 Sample ID : allspice-0104  
 Injection Volume : 0.10  
 Instrument ID : GC-3

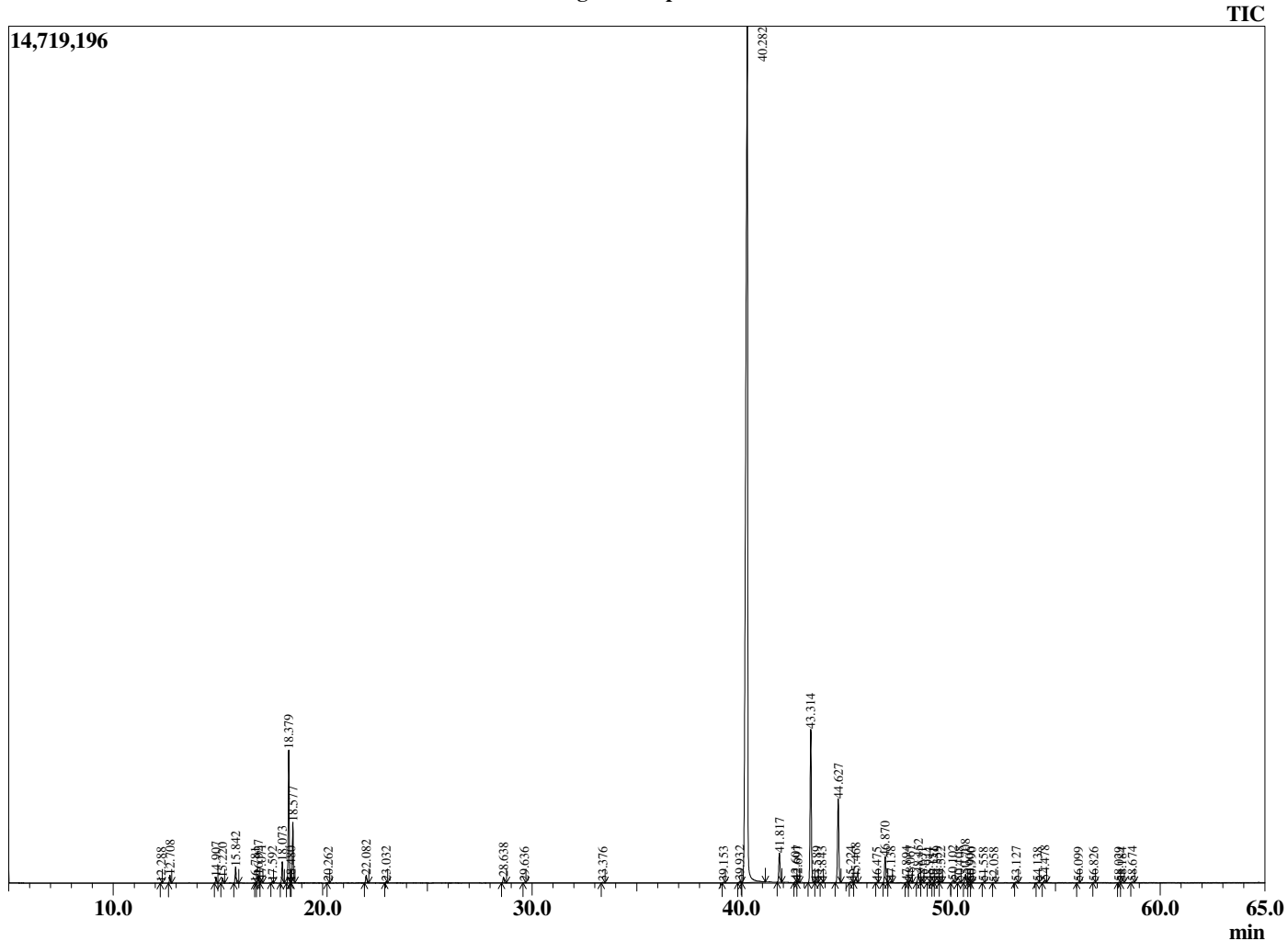


Peak Report TIC

R.Time	Name	Area%
12.288	alpha-Thujene	0.02
12.708	alpha-Pinene	0.29
14.907	Sabinene	0.23
15.220	beta-Pinene	0.21
15.842	Myrcene	0.67
16.781	Pseudolimonene	0.01
16.927	alpha-Phellandrene	0.34
17.071	delta-3-Carene	0.13
17.592	alpha-Terpinene	0.05
18.073	para-Cymene	0.93
18.379	Limonene	5.58
18.480	beta-Phellandrene	0.03
18.577	1,8-cineole	2.60
20.262	gamma-Terpinene	0.03
22.082	Terpinolene	0.36
23.032	Linalool	0.06
28.638	Terpinen-4-ol	0.28
29.636	alpha-Terpineol	0.03
33.376	Unidentified	0.04
39.153	delta-Elementene	0.04
39.932	alpha-Cubebene	0.09
40.282	Eugenol	69.92
41.817	alpha-Copaene	1.59
42.601	beta-Cubebene	0.10
42.697	beta-Elementene	0.08
43.314	Methyleugenol	7.91
43.589	Unidentified	0.03
43.843	alpha-Gurjunene	0.02
44.627	beta-Caryophyllene	4.59
45.224	gamma-Elementene	0.05
45.468	trans-alpha-Bergamotene	0.25
46.475	Unidentified	0.02
46.870	alpha-Humulene	1.41
47.138	Alloaromadendrene	0.07
47.894	10-beta-H-Cadina-1(6),4-diene	0.04
48.067	trans-Cadina-1(6),4-diene	0.15
48.452	Germacrene D	0.48
48.631	Farnesene isomer	0.02
48.944	beta-Selinene	0.02
49.151	Unidentified	0.02
49.359	Unidentified	0.07
49.522	alpha-Murolene	0.06
50.102	beta-Bisabolene	0.13
50.408	gamma-Cadinene	0.06
50.708	delta-Cadinene	0.47
50.906	cis-Calamenene	0.03
50.990	Unidentified	0.03
51.558	trans-Cadina-1,4-diene	0.02
52.058	Unidentified	0.02
53.127	Germacrene B	0.05
54.138	Unidentified	0.03
54.478	Caryophyllene oxide	0.13
56.099	Unidentified	0.03
56.826	Humulane-1,6-dien-3-ol	0.02
58.029	Unidentified	0.03
58.184	delta-Cadinol	0.03
58.674	alpha-Cadinol	0.03
		100.00

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

Chromatogram Allspice - Barefut



Comments:

The analysis of this Allspice Oil batch sample meets the expected chemical profile for authentic essential oil of *Pimenta dioica*. No contamination or adulteration was detected.