

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/29/2019 3:36:18 AM
 Sample Type : Essential Oil
 Sample Name : Cypress - Barefut
 Sample ID : 0105
 Injection Volume : 0.10
 Instrument ID : GC-3

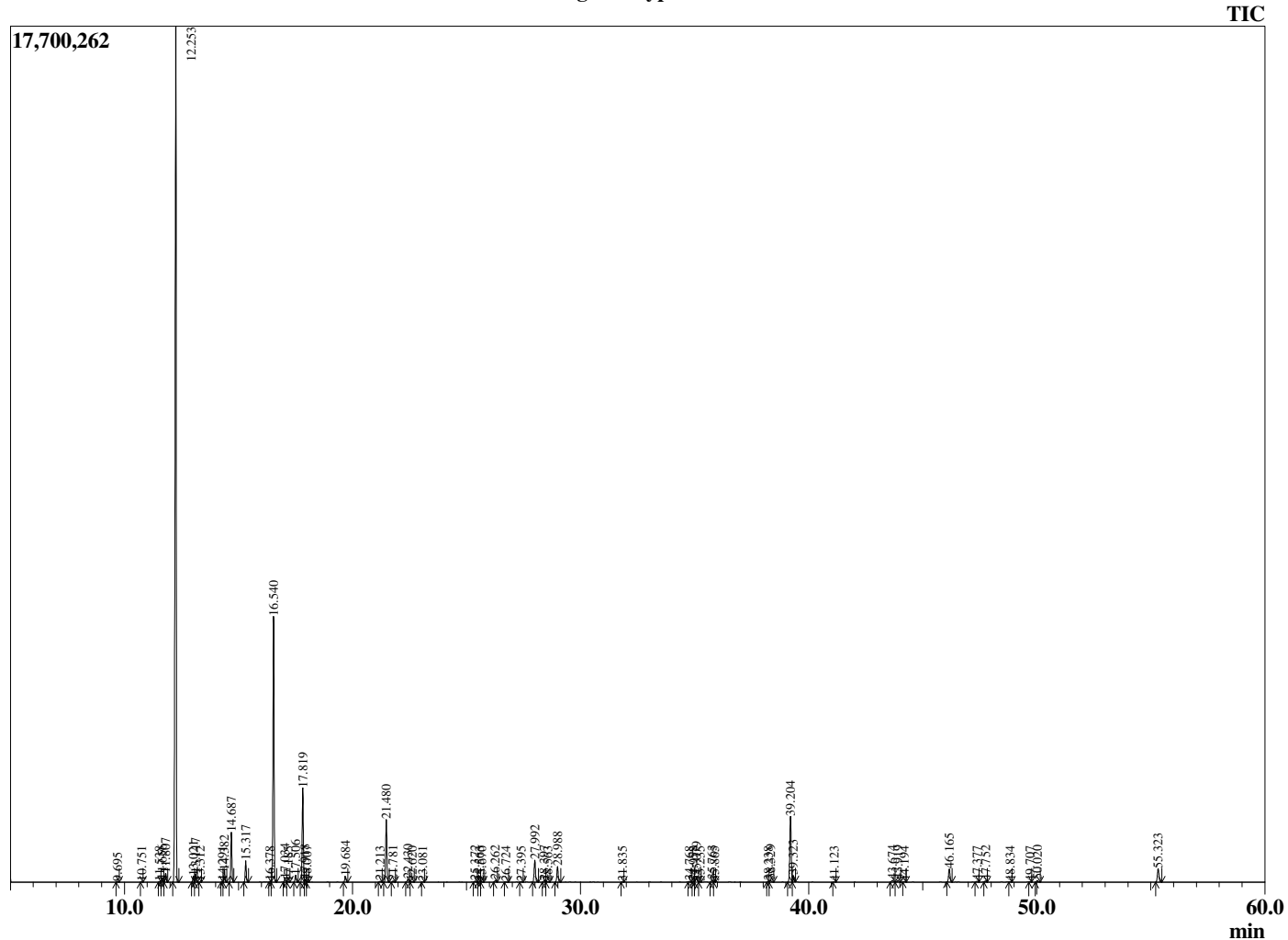


Peak Report TIC

R.Time	Name	Area%
9.695	Santene	0.04
10.751	Bornylene	0.03
11.538	Hashishene	0.04
11.656	Tricyclene	0.14
11.807	alpha-Thujene	0.48
12.253	alpha-Pinene	54.03
13.021	alpha-Fenchene	0.34
13.117	Camphene	0.47
13.312	Thuja-2,4(10)diene	0.02
14.291	Unidentified	0.05
14.382	Sabinene	0.66
14.687	beta-Pinene	2.85
15.317	Myrcene	1.23
16.378	alpha-Phellandrene	0.05
16.540	delta-3-Carene	15.85
17.034	alpha-Terpinene	0.20
17.185	ortho-Cymene	0.03
17.506	para-Cymene	0.45
17.819	Limonene	5.77
17.918	beta-Phellandrene	0.16
18.007	1,8-Cineole	0.06
19.684	gamma-Terpinene	0.37
21.213	Isoterpinolene	0.06
21.480	Terpinolene	3.92
21.781	para-Cymenene	0.08
22.430	Linalool	0.21
22.620	Unidentified	0.04
23.081	Unidentified	0.03
25.372	Unidentified	0.08
25.563	Unidentified	0.03
25.670	Camphor	0.03
26.262	Karahanaenone	0.12
26.724	para-Mentha-1,5-dien-8-ol	0.02
27.395	Borneol	0.04
27.992	Terpinen-4-ol	1.57
28.397	para-Cymen-8-ol	0.09
28.563	Unidentified	0.05
28.988	alpha-Terpineol	1.09
31.835	Carveol	0.03
34.768	Unidentified	0.06
34.958	alpha-Terpinyl acetate	0.03
35.079	Bornyl acetate	0.42
35.235	Unidentified	0.02
35.763	Isobornyl acetate	0.12
35.865	Unidentified	0.03
38.238	Unidentified	0.05
38.329	Ocimenyl acetate	0.16
39.204	alpha-Terpinyl acetate	4.99
39.323	gamma-Terpinyl acetate	0.44
41.123	alpha-Copaene	0.03
43.674	alpha-Cedrene	0.18
43.919	beta-Caryophyllene	0.15
44.194	beta-Cedrene	0.04
46.165	alpha-Humulene	1.02
47.377	trans-Cadina-1(6),4-diene	0.07
47.752	Germacrene D	0.09
48.834	alpha-Murolene	0.03
49.707	gamma-Cadinene	0.03
50.020	delta-Cadinene	0.13
55.323	Cedrol	1.14
		100.00

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

Chromatogram Cypress - Barefut



Comments:

The analysis of this Cypress batch sample meets the expected chemical profile for authentic essential oil of *Cupressus sempervirens*. No contamination or adulteration was detected.