

Sample Information

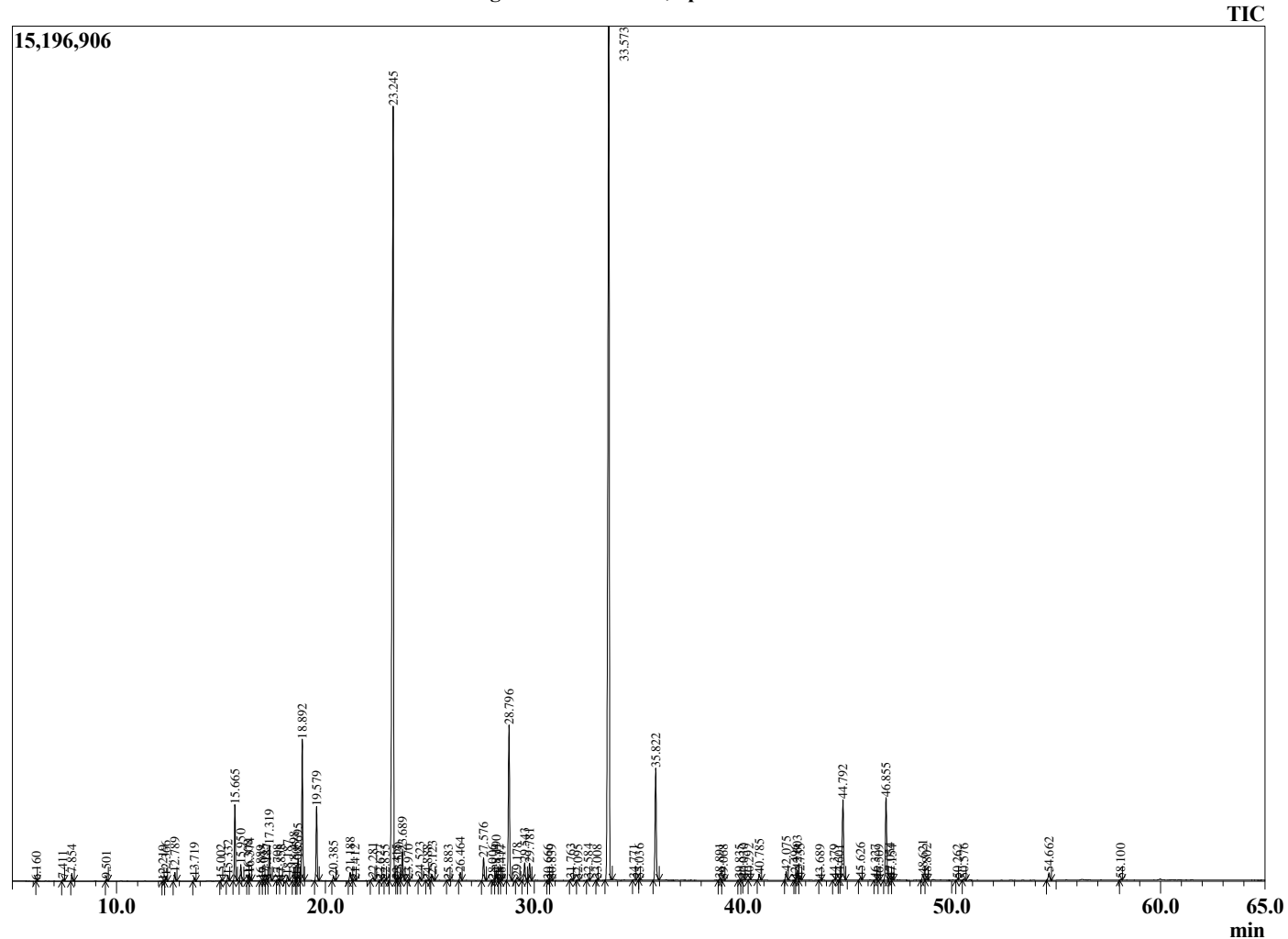
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/31/2021 9:41:07 PM
 Sample Type : Essential Oil
 Sample Name : Lavender Oil, Spontaneous - Barefut
 Sample ID : 0106
 Injection Volume : 0.10
 Instrument ID: : GC-3



Peak Report TIC

R.Time	Name	Area%
3.982	Unidentified	0.00
6.160	Toluene	0.00
7.411	Butyl acetate	0.04
7.854	Hexyl methyl ether	0.17
9.501	Hexanol	0.05
12.219	Tricyclene	0.01
12.366	alpha-Thujene	0.12
12.789	alpha-Pinene	0.22
13.719	Camphene	0.10
15.002	Sabinene	0.03
15.332	1-Octen-3-ol	0.15
15.665	3-Octanone	1.99
15.950	Myrcene	0.45
16.308	Butyl butyrate	0.15
16.374	3-Octanol	0.19
16.889	Unidentified	0.01
17.035	alpha-Phellandrene	0.03
17.187	delta-3-Carene	0.06
17.319	Hexyl acetate	1.01
17.708	alpha-Terpinene	0.02
17.858	meta-Cymene	0.02
18.187	para-Cymene	0.15
18.498	Limonene	0.39
18.605	beta-Phellandrene	0.11
18.695	1,8-Cineole	0.64
18.892	(Z)-beta-Ocimene	4.10
19.579	(E)-beta-Ocimene	2.12
20.385	gamma-Terpinene	0.13
21.188	trans-Sabinene hydrate	0.28
21.412	Unidentified	0.01
22.281	trans-Linalool oxide (furanoid)	0.13
22.627	Rosefuran	0.01
22.855	Unidentified	0.01
23.245	Linalool	32.13
23.415	Hotrienol	0.02
23.520	Hexyl propionate	0.09
23.689	1-Octen-3-yl-acetate	0.87
23.970	Heptyl acetate	0.01
24.523	3-Octyl acetate	0.10
24.888	Unidentified	0.01
25.123	allo-Ocimene	0.15
25.883	Unidentified	0.02
26.464	Hexyl isobutyrate	0.26
27.576	Lavandulol	0.72
28.006	Unidentified	0.01
28.190	Borneol	0.34
28.332	trans-Linalool oxide (pyranoid)	0.02
28.417	1,3,5-Undecatriene	0.02
28.796	Terpinen-4-ol	5.21
29.178	Cryptone	0.11
29.543	Hexyl butyrate	0.60
29.781	alpha-Terpineol	0.57
30.666	Unidentified	0.02
30.839	Octyl acetate	0.01
31.763	Nerol	0.05
32.095	Bornyl formate	0.02
32.584	Hexyl 2-methylbutyrate	0.04
33.008	Cuminal	0.02
33.573	Linalyl acetate	33.69
34.771	Unidentified	0.02
35.036	Isopulegyl acetate	0.01
35.822	Lavandulyl acetate	3.86

Chromatogram Lavender Oil, Spontaneous - Barefut



Comments:

The analysis of this Lavender, Spontaneous France batch sample meets the expected chemical profile for authentic essential oil of *Lavandula angustifolia*. 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.

R.Time	Name	Area%
38.891	Hexyl tiglate	0.05
39.068	Unidentified	0.02
39.835	Unidentified	0.03
40.030	Unidentified	0.03
40.292	Eugenol	0.03
40.785	Neryl acetate	0.20
42.075	Geranyl acetate	0.30
42.496	beta-Bourbonene	0.01
42.603	Hexyl hexanoate	0.35
42.735	7-epi-Sesquithujene	0.06
43.689	Sesquithujene isomer	0.01
44.379	cis-alpha-Bergamotene	0.03
44.601	Unidentified	0.01
44.792	trans-beta-Caryophyllene	3.15
45.626	trans-alpha-Bergamotene	0.08
46.327	beta-Bisabolene	0.01
46.509	Unidentified	0.00
46.855	(E)-beta-Farnesene	2.95
47.034	alpha-Humulene	0.10
47.154	Farnesene isomer	0.02
48.621	Germacrene D	0.19
48.802	(Z,E)-alpha-Farnesene	0.03
50.262	beta-Bisabolene	0.02
50.576	gamma-Cadinene	0.05
54.662	Caryophyllene oxide	0.31
58.100	tau-Cadinol	0.03
		100.00