

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/13/2018 5:49:23 PM
 Sample Type : Essential Oil
 Sample Name : Lavender Oil, Bulgaria
 Sample ID : Barefut-0111
 Injection Volume : 0.10
 Instrument ID : GC-3

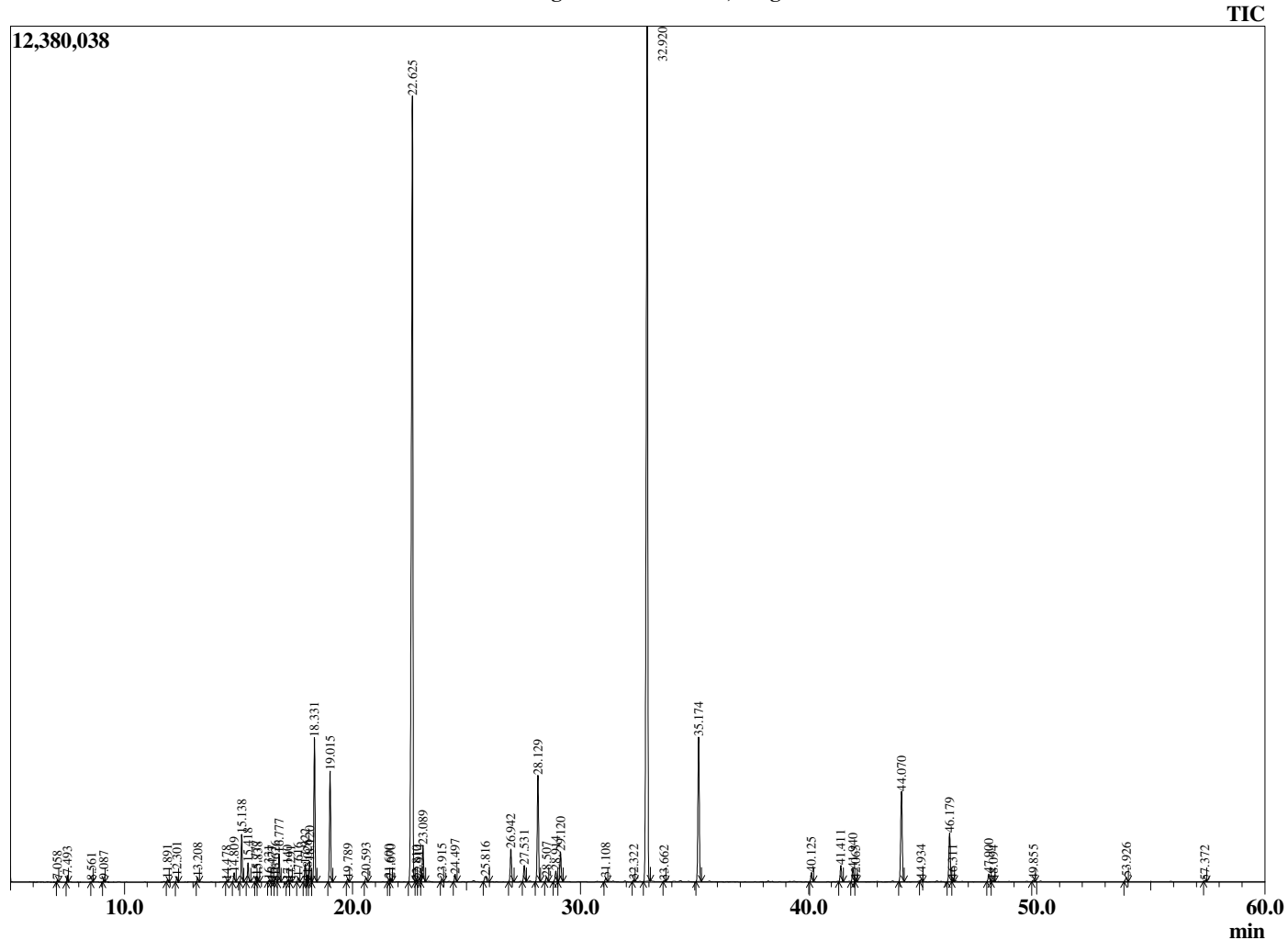


Peak Report TIC

R.Time	Name	Area%
7.058	Butyl acetate	0.04
7.493	Hexyl methyl ether	0.12
8.561	Hex-3(Z)-enol	0.02
9.087	n-Hexanol	0.05
11.891	alpha-Thujene	0.07
12.301	alpha-Pinene	0.14
13.208	Camphene	0.12
14.478	Sabinene	0.02
14.809	1-Octen-3-ol	0.28
15.138	3-Octanone	1.30
15.418	Myrcene	0.55
15.777	Butyl butyrate	0.16
15.838	3-Octanol	0.14
16.331	Pseudolimonene	0.04
16.477	alpha-Phellandrene	0.02
16.626	delta-3-Carene	0.16
16.777	Hexyl acetate	0.82
17.140	alpha-Terpinene	0.03
17.291	ortho-Cymene	0.03
17.616	para-Cymene	0.13
17.922	Limonene	0.53
18.026	beta-Phellandrene	0.20
18.120	1,8-Cineole	0.60
18.331	cis-beta-Ocimene	4.27
19.015	trans-beta-Ocimene	3.28
19.789	gamma-Terpinene	0.09
20.593	cis-Linalool oxide (furanoid)	0.15
21.600	Terpinolene	0.08
21.670	trans-Linalool oxide (furanoid)	0.08
22.625	Linalool	31.06
22.810	Hotrienol	0.05
22.914	Hexyl propionate	0.09
23.089	1-Octen-3-yl acetate	1.17
23.915	3-Octyl acetate	0.08
24.497	allo-Ocimene	0.23
25.816	Camphor	0.26
26.942	Lavandulol	1.07
27.531	Borneol	0.53
28.129	Terpinen-4-ol	3.65
28.507	Cryptone	0.17
28.914	Hexyl butyrate	0.38
29.120	alpha-Terpineol	1.00
31.108	Nerol	0.12
32.322	Cuminal	0.04
32.920	Linalyl acetate	33.83
33.662	Unidentified	0.03
35.174	Lavandulyl acetate	5.17
40.125	Neryl acetate	0.32
41.411	Geranyl acetate	0.57
41.940	Hexyl hexanoate	0.46
42.065	7-epi-Sesquithujene	0.03
44.070	beta-Caryophyllene	3.62
44.934	trans-alpha-Bergamotene	0.07
46.179	trans-beta-Farnesene	1.83
46.311	alpha-Humulene	0.06
47.900	Germacrene D	0.29
48.094	Farnesene isomer	0.03
49.855	gamma-Cadinene	0.06
53.926	Caryophyllene oxide	0.16
57.372	alpha-Muurolol (=Torreyol)	0.03
		100.00

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

Chromatogram Lavender Oil, Bulgaria



Comments:

The analysis of this Lavender, Bulgaria batch sample meets the expected chemical profile for authentic essential oil of *Lavandula angustifolia*. No contamination or adulteration was detected.