

Sample Information

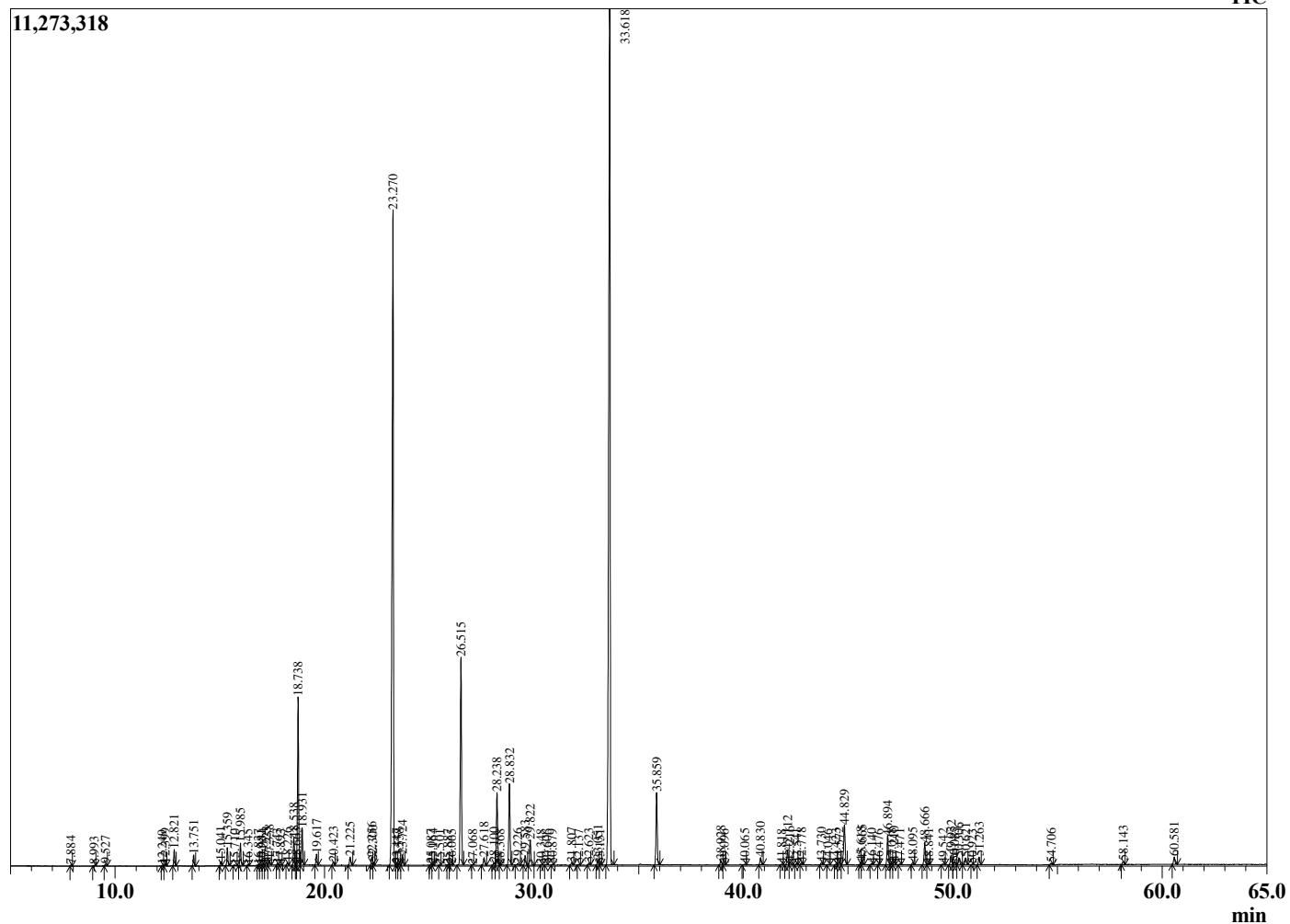
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 3/24/2021 9:45:02 PM
 Sample Type : Essential Oil
 Sample Name : Lavandin Oil, Grosso - Barefut
 Sample ID : 0109
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
4.165	3-Methylbutanal	0.01
7.884	Hexyl methyl ether	0.03
8.993	Hex-3(Z)-enol	0.02
9.527	Hexanol	0.05
12.249	Tricyclene	0.02
12.399	alpha-Thujene	0.07
12.821	alpha-Pinene	0.44
13.751	Camphene	0.30
15.041	Sabinene	0.13
15.359	beta-Pinene	0.52
15.710	3-Octanone	0.02
15.985	Myrcene	0.66
16.345	Butyl butyrate	0.02
16.837	Octanal	0.02
16.981	Unidentified	0.02
17.074	alpha-Phellandrene	0.03
17.223	delta-3-Carene	0.09
17.358	Hexyl acetate	0.16
17.743	alpha-Terpinene	0.03
17.893	meta-Cymene	0.02
18.226	para-Cymene	0.09
18.538	Limonene	0.84
18.663	beta-Phellandrene	0.05
18.738	1,8-Cineole	5.25
18.931	(Z)-beta-Ocimene	1.13
19.617	(E)-beta-Ocimene	0.34
20.423	gamma-Terpinene	0.11
21.225	trans-Sabinene hydrate	0.30
22.256	Terpinolene	0.27
22.300	trans-Linalool oxide (furanoid)	0.09
23.270	Linalool	26.50
23.447	Hotrienol	0.04
23.558	Hexyl propionate	0.06
23.724	1-Octen-3-yl acetate	0.34
25.087	alpha-Campholenal	0.03
25.164	allo-Ocimene	0.04
25.501	Unidentified	0.01
25.887	Nopinone	0.02
26.065	trans-Pinocarveol	0.04
26.515	Camphor	7.40
27.068	trans-beta-Terpineol	0.01
27.618	Lavandulol	0.28
28.100	delta-Terpineol	0.08
28.238	Borneol	2.54
28.368	Unidentified	0.02
28.832	Terpinen-4-ol	2.84
29.226	para-Cymen-8-ol	0.06
29.583	Hexyl butyrate	0.34
29.822	alpha-Terpineol	0.91
30.348	Unidentified	0.01
30.606	Decanal	0.02
30.879	Octyl acetate	0.02
31.807	Nerol	0.10
32.137	Bornyl formate	0.03
32.623	Hexyl 2-methylbutyrate	0.06
33.051	Hexyl 3-methylbutyrate	0.18
33.151	Carvone	0.02
33.618	Linalyl acetate	36.60
35.859	Lavandulyl acetate	2.60
38.928	Hexyl tiglate	0.16
39.096	Unidentified	0.02
40.065	Unidentified	0.03

Chromatogram Lavandin Oil, Grosso - Barefut



Comments:

The analysis of this Lavandin, grosso batch sample meets the expected chemical profile for authentic essential oil of *Lavandula hybrida*. 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%
40.830	Neryl acetate	0.26
41.818	Unidentified	0.02
42.112	Geranyl acetate	0.53
42.216	Daucene	0.12
42.541	beta-Bourbonene	0.04
42.778	7-epi-Sesquithujene	0.08
43.730	Sesquithujene isomer	0.07
44.046	alpha-Gurjunene	0.02
44.423	cis-alpha-Bergamotene	0.03
44.572	Unidentified	0.10
44.829	trans-beta-Caryophyllene	1.74
45.618	Coumarin	0.07
45.665	trans-alpha-Bergamotene	0.17
46.140	(Z)-beta-Farnesene	0.05
46.476	Unidentified	0.01
46.894	(E)-beta-Farnesene	1.07
47.078	alpha-Humulene	0.04
47.210	Neryl isobutyrate	0.10
47.471	Unidentified	0.02
48.095	Unidentified	0.09
48.666	Germacrene D	0.86
48.841	(Z,E)-alpha-Farnesene	0.04
49.542	Unidentified	0.04
49.932	Lavandulyl isovalerate	0.42
50.085	(E,E)-alpha-Farnesene	0.11
50.306	beta-Bisabolene	0.28
50.621	gamma-Cadinene	0.28
50.923	delta-Cadinene	0.01
51.263	beta-Sesquiphellandrene	0.28
54.706	Caryophyllene oxide	0.08
58.143	tau-Cadinol	0.14
60.581	alpha-Bisabolol	0.29
		100.00