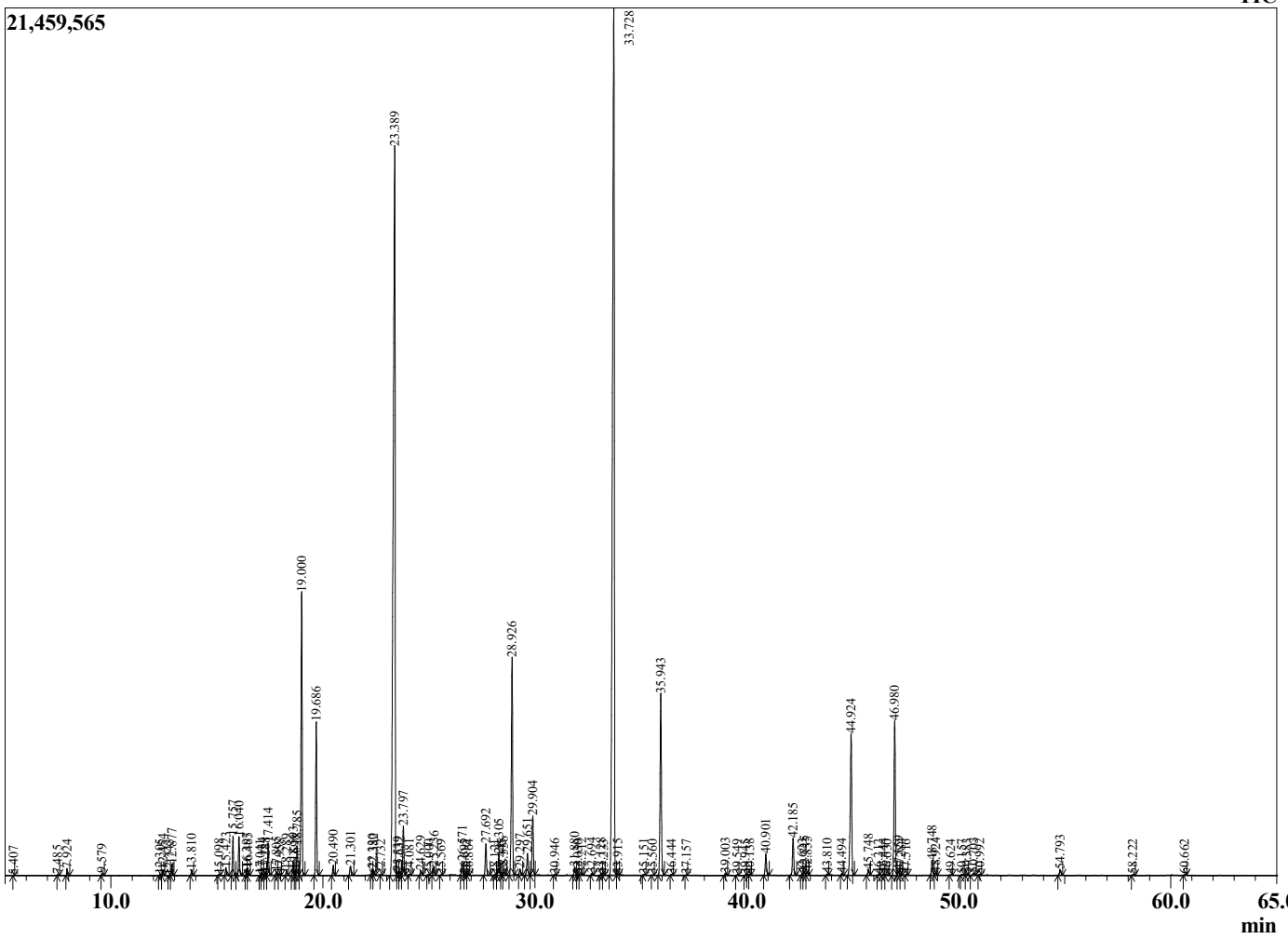
Sample Information

Analyzed by : Dr. Robert S. Pappas
Analyzed : 3/1/2023 9:27:47 PM
Sample Type : Essential Oil
Sample Name : Lavender, Greece - Revive
Sample ID : 6G
Injection Volume : 0.10
Instrument ID: : GC-3

Chromatogram Lavender, Greece - Revive



Comments:

The analysis of this Lavender 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.

Peak Report TIC

R.Time	Name	Area%
3.750	Vinyldimethylcarbinol	0.01
4.201	3-Methylbutanal	0.02
4.314	2-Methylbutanal	0.01
5.407	3-Methybutanol	0.01
7.485	Butyl acetate	0.02
7.924	Hexyl methy ether	0.11
9.579	Hexanol	0.04
12.305	Tricyclene	0.02
12.454	alpha-Thujene	0.10
12.743	2,7-Dimethyloxepine	0.01
12.877	alpha-Pinene	0.22
13.810	Camphene	0.11
15.098	Sabinene	0.02
15.423	1-Octen-3-ol	0.16
15.757	3-Octanone	0.78
16.040	Myrcene	0.81
16.397	Butylbutyrate	0.12
16.465	3-Octanol	0.14
17.041	cis-Dehydrolinalool oxide	0.01
17.134	alpha-Phellandrene	0.04
17.288	delta-3-Carene	0.05
17.414	Hexyl acetate	0.63
17.805	alpha-Terpinene	0.07
17.958	ortho-Cymene	0.03
18.289	para-Cymene	0.12
18.593	Limonene	0.30
18.698	beta-Phellandrene	0.10
18.785	1,8-Cineole	0.62
19.000	cis-beta-Ocimene	6.21
19.686	trans-beta-Ocimene	3.26
20.490	gamma-Terpinene	0.21
21.301	cis-Linalool oxide (furanoid)	0.23
22.330	Terpinolene	0.14
22.382	trans-Linalool oxide (furanoid)	0.11
22.732	Rosefuran	0.01
23.389	Linalool	27.11
23.539	Hotrienol	0.08
23.632	Hexyl propionate	0.06
23.797	1-Octen-3-yl acetate	1.07
24.081	Heptyl acetate	0.02
24.629	3-Octyl acetate	0.10
25.000	cis-para-Menth-2-en-1-ol	0.02
25.236	allo-Ocimene	0.20
25.569	Butyl tiglate	0.01
26.571	Camphor	0.33
26.695	Unidentified	0.02
26.864	Nerol oxide	0.01
27.692	Lavandulol	0.75
28.121	cis-Linalool oxide (pyranoid)	0.02
28.305	Borneol	0.52
28.445	trans-Linalool oxde (pyranoid)	0.03
28.536	Undeca-1,3,5-triene	0.07
28.926	Terpinen-4-ol	5.36
29.297	Cryptone + Unidentified	0.14
29.651	Hexyl butryate	0.53
29.904	alpha-Terpineol	1.42
30.946	Octyl acetate	0.02
31.880	Nerol	0.20
32.030	Unidentified	0.01
32.212	Bornyl acetate	0.05
32.694	Hexyl 2-methylbutyrate	0.04
33.128	Cuminal	0.05

R.Time	Name	Area%
33.233	Carvone	0.02
33.728	Linalyl acetate	31.00
33.915	Piperitone	0.02
35.151	Isopulegyl acetate	0.03
35.560	Phellandral	0.01
35.943	Lavandulyl acetate	4.62
36.444	para-Cymen-7-ol	0.02
37.157	Tridecane	0.01
39.003	Hexyl tiglate	0.06
39.549	Unidentified	0.01
39.945	Unidentified	0.01
40.138	Unidentified	0.02
40.901	Neryl acetate	0.52
42.185	Geranyl acetate	0.95
42.623	beta-Bourbonene	0.02
42.715	Hexyl hexanoate	0.11
42.855	7-epi-Sesquithujene	0.10
43.810	alpha-Funebrene	0.03
44.494	cis-alpha-Bergamotene	0.05
44.924	beta-Caryophyllene	4.09
45.748	trans-alpha-Bergamotene	0.15
46.212	cis-beta-Farnesene	0.01
46.444	Unidentified	0.04
46.630	epi-beta-Santalene	0.03
46.980	trans-beta-Farnesene	4.06
47.159	alpha-Humulene	0.11
47.284	Sesquisabinene	0.03
47.516	Unidentified	0.01
48.748	Germacrene D	0.39
48.924	trans-beta-Bergamotene	0.06
49.624	Bicyclogermacrene	0.01
50.157	trans,trans-alpha-Farnesene	0.02
50.383	beta-Bisabolene	0.03
50.703	gamma-Cadinene	0.06
50.992	Unidentified	0.02
54.793	Caryophyllene oxide	0.15
58.222	epi-alpha-Cadinol	0.02
60.662	alpha-Bisabolol	0.01
		100.00