

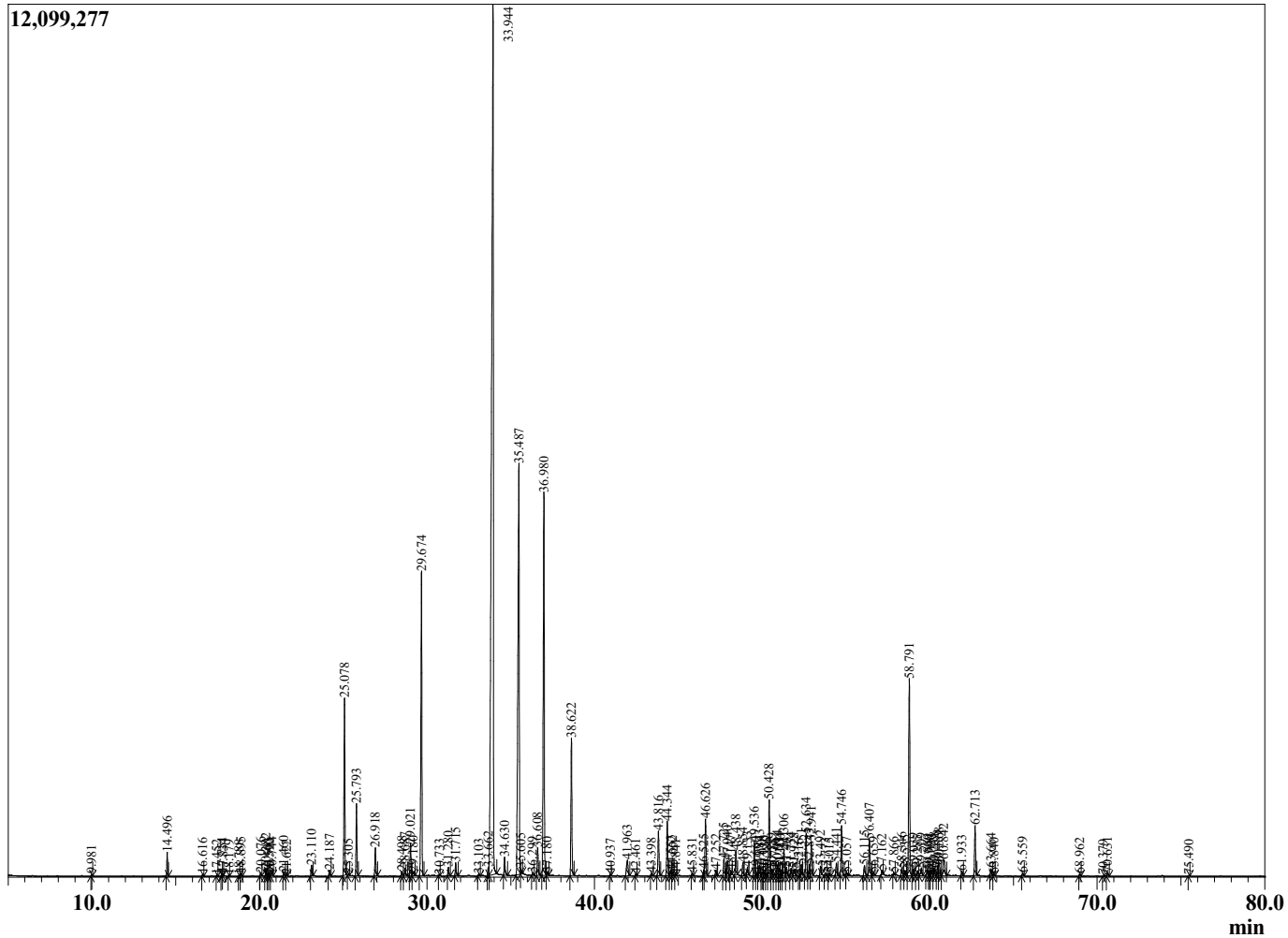
Sample Information

Sample Type : Essential Oil
 Sample Name : Pelargonium graveolens
 Injection Volume : 0.10

Geranium Egypt
 Lot# EGE34-EE
 Country: Egypt



Chromatogram Pelargonium graveolens



R.Time	Name	Area%
9.981	3-Methyl pentanol	0.03
14.496	alpha-Pinene	0.39
16.616	Bois de Rose oxide	0.04
17.452	6-Methyl hept-5-en-2-one	0.02
17.751	Myrcene	0.06
17.834	trans-Dehydrolinalool oxide	0.02
18.179	delta-2-Carene	0.02
18.788	cis-Dehydrolinalool oxide	0.02
18.895	alpha-Phellandrene	0.06
20.076	para-Cymene	0.06
20.382	Limonene	0.12
20.503	beta-Phellandrene	0.04
20.590	Dihydromyrcenol	0.03
20.744	cis-beta-Ocimene	0.08
21.460	trans-beta-Ocimene	0.08
21.622	Unidentified	0.02
23.110	cis-Linalool oxide (furanoid)	0.21
24.187	trans-Linalool oxide (furanoid)	0.13
25.078	Linalool	3.58
25.305	6-Methyl heptadi-3,5-en-2-one	0.03
25.793	cis-Rose oxide	1.37
26.918	trans-Rose oxide	0.57
28.498	Isopulegol	0.10
28.687	Citronellal	0.18
29.021	Menthone	0.64
29.180	Neoisopulegol	0.12
29.674	Isomenthone	6.65
30.733	Terpinen-4-ol	0.03
31.280	Isomenthol	0.17
31.715	alpha-Terpineol	0.27
33.103	Unidentified	0.05
33.662	Nerol	0.17
33.944	Citronellol	34.30
34.630	Neral	0.38
35.487	Geraniol	11.99
35.605	Unidentified	0.09
36.299	Isoneral	0.05
36.608	Geranial	0.57
36.980	Citronellyl formate	8.73
37.180	Neryl formate	0.07
38.622	Geranyl formate	2.85
40.937	delta-Elementene	0.03
41.963	alpha-Cubebene + Citronellyl acetate	0.51
42.461	Unidentified	0.04
43.398	alpha-Ylangene	0.06
43.816	alpha-Copaene	0.98
44.344	beta-Bourbonene	1.20
44.553	alpha-Bourbonene	0.13
44.662	beta-Elementene	0.09
44.841	Phenethyl isobutyrate	0.02
45.831	alpha-Gurjunene	0.05
46.525	beta-Ylangene	0.11
46.626	beta-Caryophyllene	1.29
47.252	beta-Copaene	0.12
47.725	Citronellyl propionate	0.42
47.940	Guaia-6,9-diene	0.34

R.Time	Name	Area%
48.147	Isogermacrene D	0.09
48.438	Unidentified	0.55
48.854	alpha-Humulene	0.28
49.133	Alloaromadendrene	0.17
49.536	Geranyl propionate	0.73
49.660	cis-Cadina-1(6),4-diene	0.07
49.843	trans-Cadina-1(6),4-diene	0.27
50.018	gamma-Murolene	0.09
50.130	Unidentified	0.10
50.286	alpha-Amorphene	0.06
50.428	Germacrene D	1.73
50.589	Selina-4,11-diene	0.16
50.766	delta-Selinene	0.06
50.914	beta-Selinene	0.25
51.034	Viridiflorene	0.19
51.100	trans-Muurolo-4(14),5-diene	0.11
51.306	Bicyclogermacrene	0.62
51.461	alpha-Murolene	0.21
51.734	Isocaryophyllene	0.17
51.928	beta-Dihydroagarofuran	0.19
52.216	Unidentified	0.02
52.351	gamma-Cadinene	0.22
52.634	delta-Cadinene	0.94
52.843	trans-Calamenene	0.26
52.941	Citronellyl butyrate	0.80
53.492	trans-Cadina-1,4-diene	0.19
53.773	Selina-4(15),7(11)-diene	0.06
54.015	alpha-Calacorene	0.06
54.441	alpha-Agarofuran	0.28
54.746	Geranyl butyrate	1.07
55.057	1-nor-Bourbonanone	0.06
56.115	Spathulenol	0.25
56.407	2-Phenethyl tiglate	0.93
56.659	Globulol	0.08
57.162	Geranyl 2-methylbutyrate	0.09
57.866	Eudesm-5-en-11-ol	0.04
58.346	1,10-di-epi-Cubenol	0.18
58.535	Citronellyl valerate	0.11
58.791	10-epi-gamma-Eudesmol	4.73
59.039	Epicubenol	0.16
59.285	gamma-Eudesmol	0.11
59.509	Hinesol	0.20
59.889	Unidentified	0.16
59.990	Unidentified	0.11
60.096	Unidentified	0.15
60.278	Geranyl valerate	0.16
60.489	Valerianol	0.21
60.568	beta-Eudesmol	0.34
60.842	Citronellyl tiglate + Unidentified	0.62
61.933	Unidentified	0.09
62.713	Geranyl tiglate	1.08
63.664	Geraniol hexanoate	0.13
63.840	Citronellyl hexanoate	0.05
65.559	Unidentified	0.06
68.962	Unidentified	0.04
70.379	Unidentified	0.01
70.631	Unidentified	0.07
75.490	Geranyl octanoate	0.02
		100.00