

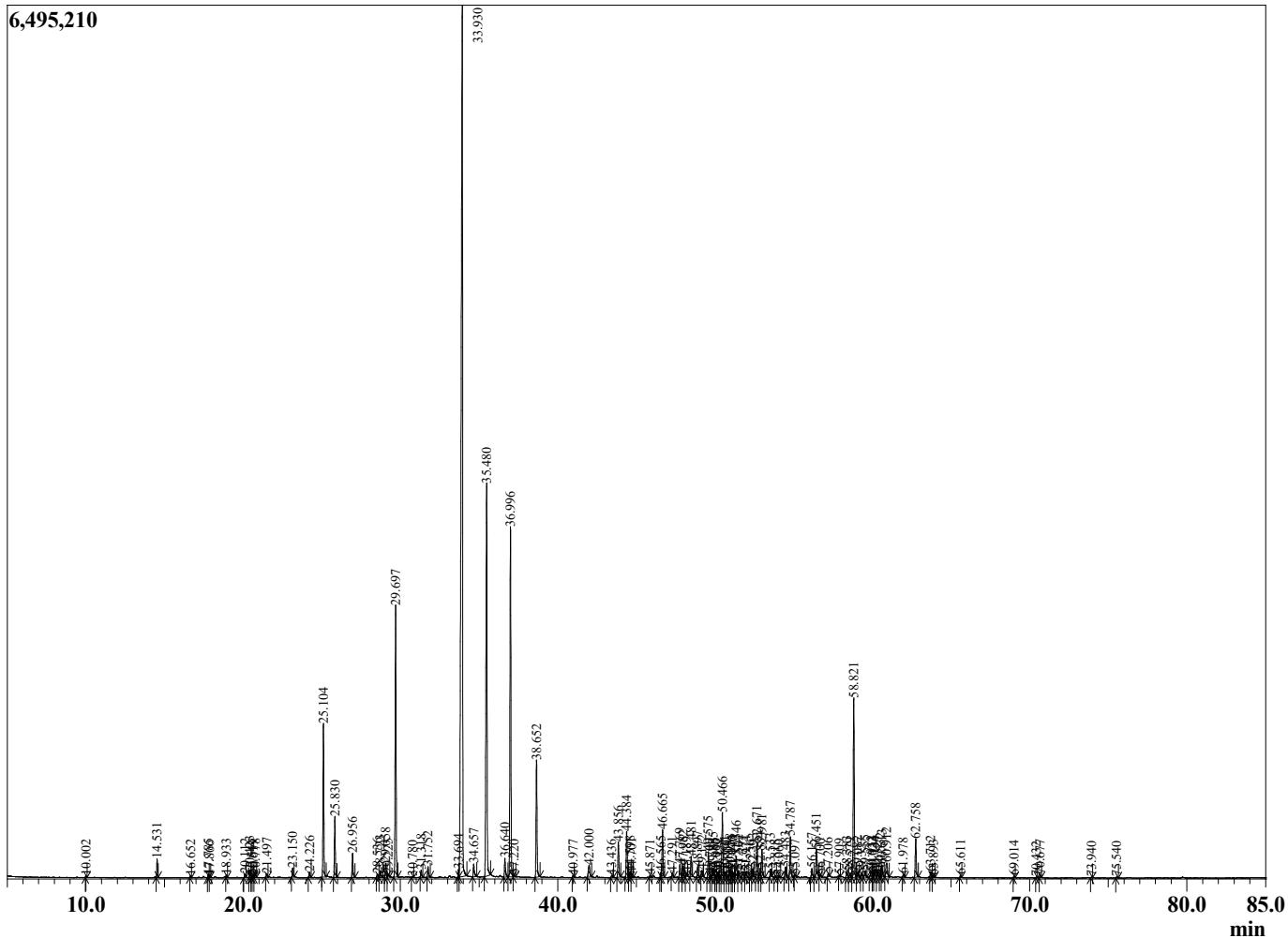
Sample Information

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

Geranium Egypt
 Lot# EGR33-RC
 Country: Egypt



Chromatogram Pelargonium graveolens



Peak Report TIC

R.T/Time	Name	Area%
10.002	3-Methyl pentanol	0.04
14.531	alpha-Pinene	0.35
16.652	Bois de Rose oxide	0.04
17.785	Myrcene	0.07
17.866	Dehydroxylinalool oxide	0.03
18.933	alpha-Phellandrene	0.05
20.112	para-Cymene	0.08
20.423	Limonene	0.13
20.541	beta-Phellandrene	0.05
20.619	Unidentified	0.05
20.778	cis-beta-Ocimene	0.09
21.497	trans-beta-Ocimene	0.09
23.150	cis-Linalool oxide (furanoid)	0.22
24.226	trans-Linalool oxide (furanoid)	0.15
25.104	Linalool	3.56
25.830	cis-Rose oxide	1.40
26.956	trans-Rose oxide	0.60
28.536	Neoisopulegol	0.09
28.723	Citronellal	0.19
29.058	Menthone	0.35
29.225	Unidentified	0.11
29.697	Isomenthone	6.81
30.780	Terpinen-4-ol	0.03
31.318	Isomenthol	0.18
31.752	alpha-Terpineol	0.28
33.694	Nerol	0.18
33.930	Citronellol	34.23
34.657	Neral	0.36
35.480	Geraniol	11.71
36.640	Geranal	0.53
36.996	Citronellyl formate	8.83
37.220	Neryl formate	0.06
38.652	Geranyl formate	2.98
40.977	delta-Elemene	0.04
42.000	Citronellyl acetate	0.48
43.436	alpha-Ylangene	0.07
43.856	alpha-Copaene + Geranyl acetate	0.96
44.384	beta-Bourbonene	1.19
44.598	alpha-Bourbonene	0.17
44.701	beta-Elemene	0.11
45.871	alpha-Gurjunene	0.06
46.565	beta-Ylangene	0.11
46.665	beta-Caryophyllene	1.29
47.291	beta-Copaene	0.12
47.769	Citronellyl propionate	0.39
47.982	6,9-Guaiadiene	0.34
48.189	Isogermacrene D	0.10
48.481	Unidentified	0.53
48.897	alpha-Humulene	0.29
49.172	Alloaromadendrene	0.17
49.575	Geranyl propionate	0.69
49.700	Unidentified	0.10
49.885	Cadina-1(6),4-diene	0.29
50.060	gamma-Murolene	0.09
50.172	Unidentified	0.11
50.328	alpha-Amorphene	0.06

R.Time	Name	Area%
50.466	Germacrene D	1.73
50.631	Selina-4,11-diene	0.17
50.809	delta-Selinene	0.06
50.958	btea-Selinene	0.25
51.075	Viridiflorene	0.18
51.140	Unidentified	0.14
51.346	Bicyclogermacrene	0.61
51.502	alpha-Murolene	0.21
51.777	Unidentified	0.17
51.974	beta-Dihydroagarofuran + Geranyl isobutyra	0.20
52.256	beta-Dihydroagarofuran	0.03
52.393	gamma-Cadinene	0.21
52.671	delta-Cadinene	0.94
52.884	trans-Calamenene	0.26
52.981	Zonarene + Citronellyl butyrate	0.83
53.533	trans-Cadina-1,4-diene	0.20
53.818	Selina-4(15),7(11)-diene	0.06
54.060	alpha-Calacorene	0.07
54.483	alpha-Agarofuran	0.29
54.787	Geranyl butyrate	1.09
55.097	1-nor-Bourbonanone	0.06
56.157	Spathulenol	0.27
56.451	Phenethyl tiglate	0.91
56.700	Globulol	0.09
57.206	Geranyl 2-methylbutyrate	0.08
57.909	Rosifoliol	0.04
58.383	1,10-di-epi-Cubenol	0.18
58.579	Citronellyl valerate	0.12
58.821	10-epi-gamma-Eudesmol	4.95
59.082	1-epi-Cubenol	0.17
59.327	gamma-Eudesmol	0.11
59.555	Agarospirol	0.21
59.932	Cubenol isomer	0.18
60.023	Unidentified	0.12
60.134	alpha-Eudesmol	0.16
60.327	Geranyl valerate	0.14
60.532	Valerianol	0.20
60.613	beta-Eudesmol	0.38
60.912	Citronellyl tiglate	0.60
61.978	Citronellyl hexanoate	0.09
62.758	Geranyl tiglate	1.08
63.712	Geraniol hexanoate	0.15
63.893	Citronellyl hexanoate	0.06
65.611	Neryl hexanoate	0.06
69.014	Geranyl hexanoate	0.04
70.432	Phytone	0.02
70.677	Unidentified	0.07
73.940	Citronellyl isovalerate	0.02
75.540	Geranyl octanoate	0.03
		100.00