

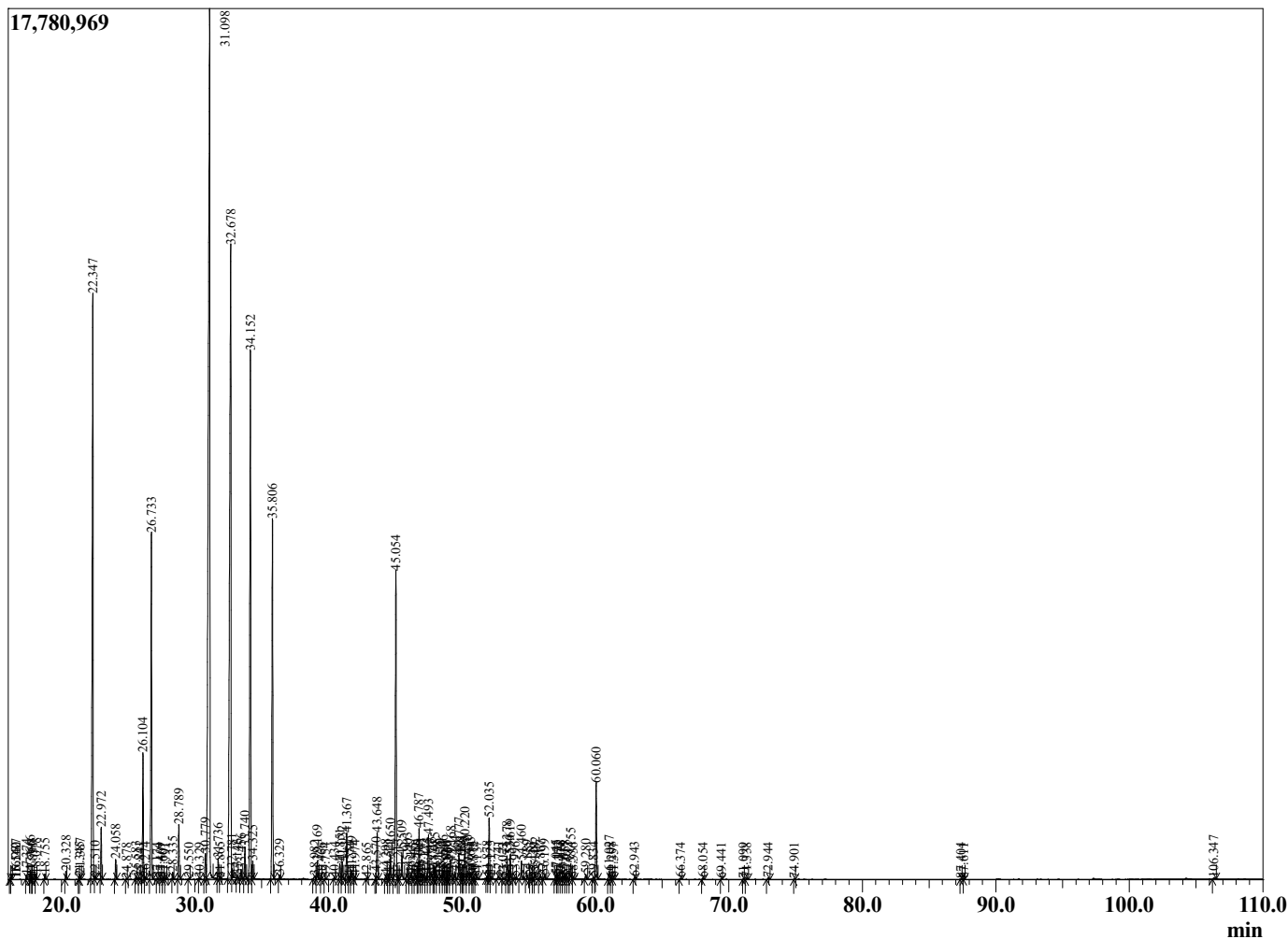
Sample Information

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

Geranium Bourbon
 LOT#RED11-DE
 Country: Reuion



Chromatogram Pelargonium graveolens



R.Time	Name	Area%
5.019	1-Pentanol	0.01
7.521	(Z)-Salvene	0.02
8.051	3-Methyl pentanol	0.02
8.321	Unidentified	0.01
8.458	Hex-(3Z)-enol	0.01
9.630	2-Butylfuran	0.00
10.282	Unidentified	0.01
11.518	Tricyclene	0.00
12.075	alpha-Pinene	0.32
14.072	Bois de Rose oxide	0.02
14.541	beta-Pinene	0.01
14.897	6-Methyl hept-5-en-2-one	0.03
15.009	Unidentified	0.01
15.187	Myrcene + Unidentified	0.12
15.542	delta-2-Carene	0.01
16.160	Unidentified	0.02
16.237	alpha-Phellandrene	0.06
17.374	para-Cymene	0.06
17.666	Limonene	0.11
17.766	beta-Phellandrene	0.05
17.851	1,8-Cineole	0.02
18.078	(Z)-beta-Ocimene	0.07
18.755	(E)-beta-Ocimene	0.07
20.328	cis-Linalool oxide (furanoid)	0.12
21.345	Terpinolene	0.02
21.387	trans-Linalool oxide (furanoid)	0.08
22.347	Linalool	10.55
22.510	6-Methyl-heptadi-3,5-en-2-one	0.03
22.972	cis-Rose oxide	0.68
24.058	trans-Rose oxide	0.27
24.878	Epiphocitral A	0.01
25.583	trans-Chrysanthamal	0.04
25.841	Citronellal	0.03
26.104	Menthone	1.84
26.274	Unidentified	0.03
26.733	Isomenthone	5.34
27.174	Unidentified	0.01
27.409	Unidentified	0.02
27.601	Menthol	0.02
27.791	Terpinen-4-ol	0.02
28.335	Isomenthol	0.09
28.789	alpha-Terpineol	0.83
29.550	Unidentified	0.02
30.329	Unidentified	0.01
30.779	Nerol	0.45
31.098	Citronellol	25.31
31.736	Neral	0.28
31.865	Unidentified	0.02
32.678	Geraniol	16.24
32.781	Piperitone	0.14
33.146	Neomenthyl acetate	0.05
33.456	trans-Myrtenol	0.15
33.740	Geranial	0.47
34.152	Citronellyl formate	9.16
34.325	Neryl formate	0.25
35.806	Geranyl formate	5.91

R.Time	Name	Area%
36.329	trans-Myrtanyl acatate	0.07
38.982	Neric acid +alpha-Cubebene	0.08
39.169	Citronellyl acetate	0.29
39.466	Unidentified	0.01
39.754	Neryl acetate	0.02
40.434	alpha-Ylangene	0.02
40.851	alpha-Copaene	0.24
41.032	Geranyl acetate	0.27
41.367	beta-Bourbonene	0.74
41.554	alpha-Bourbonene	0.04
41.749	beta-Elemene	0.12
41.974	Phenethyl isobutyrate	0.06
42.865	alpha-Gurjunene	0.02
43.570	beta-Ylangene	0.05
43.648	trans-beta-Caryophyllene	0.79
44.298	beta-Coapene	0.08
44.521	trans-alpha-Bergamotene	0.10
44.650	alpha-Guaiene	0.43
45.054	Guaia-6,9-diene	5.68
45.213	Isogermacrene D	0.07
45.509	trans-Murrola-4(14),5-diene	0.47
45.903	alpha-Humulene	0.20
46.177	Alloaromodendrene	0.09
46.345	Myrtenyl isobutyrate	0.02
46.550	Unidentified	0.07
46.715	cis-Cadina-1(6),4-diene	0.03
46.787	Geranyl propanoate	0.81
46.941	10-beta-H-Cadina-1(6),4-diene	0.12
47.122	trans-Cadina-1(6),4-diene	0.12
47.415	alpha-Amorphene	0.09
47.493	Germacrene D	0.75
47.715	gamma-Amorphene+Phenethyl 2-methylbutyr	0.16
47.870	delta-Selinene	0.03
47.985	beta-Selinene	0.19
48.158	trans-Muurolo-4(14),5-diene	0.08
48.419	alpha-Selinene	0.09
48.596	alpha-Muuroloene	0.14
48.810	alpha-Bulnesene	0.03
48.860	delta-Amorphene	0.06
48.936	Unidentified	0.05
49.168	Geranyl isobutyrate	0.29
49.464	gamma-Cadinene	0.13
49.777	delta-Cadinene	0.45
49.968	trans-Calamenene	0.13
50.050	Zonarene	0.10
50.220	Citronellyl butyrate	0.61
50.430	Furopelargone isomer	0.15
50.643	trans-Cadina-1,4-diene + Neryl butyrate	0.14
50.775	Unidentified	0.03
50.872	Selina-3,7(11)-diene	0.04
51.137	alpha-Calacorene	0.04
51.878	Unidentified	0.04
52.035	Geranyl butyrate	1.00
52.125	Unidentified	0.03
52.741	Unidentified	0.07
53.073	Unidentified	0.02
53.378	Unidentified	0.39
53.536	Caryophyllene oxide	0.13
53.619	Phenethyl tiglata	0.42
53.996	Globulol	0.03
54.460	Geranyl 2-methylbutyrate	0.33
54.889	Geranyl isovalerate	0.07

R.Time	Name	Area%
55.153	Humulene epoxide II	0.03
55.410	Unidentified	0.02
55.482	1,10-di-epi-Cubenol	0.12
55.867	Citronellyl valerate	0.08
56.199	Epicubenol	0.08
57.045	tau-Cadinol	0.08
57.123	Unidentified	0.07
57.273	Unidentified	0.03
57.409	Myrtenyl tiglate	0.02
57.619	Geranyl valerate	0.06
57.758	alpha-Cadinol	0.08
57.912	Unidentified	0.03
58.155	Citronellyl tiglate	0.26
58.336	Unidentified	0.02
59.280	Neryl hexanoate	0.08
59.834	Unidentified	0.03
60.060	Geranyl tiglate	1.59
61.027	Unidentified	0.14
61.208	Citronellyl hexanoate	0.03
61.357	Unidentified	0.02
62.943	Geraniol hexanoate	0.04
66.374	Unidentified	0.02
68.054	Unidentified	0.03
69.441	Unidentified	0.01
71.099	Neryl octanoate	0.01
71.338	Unidentified	0.03
72.944	Geranyl octanoate	0.03
74.901	Unidentified	0.01
87.404	Unidentified isomer I	0.01
87.611	Unidentified isomer I	0.01
106.347	Unidentified isomer I	0.03
		100.00