

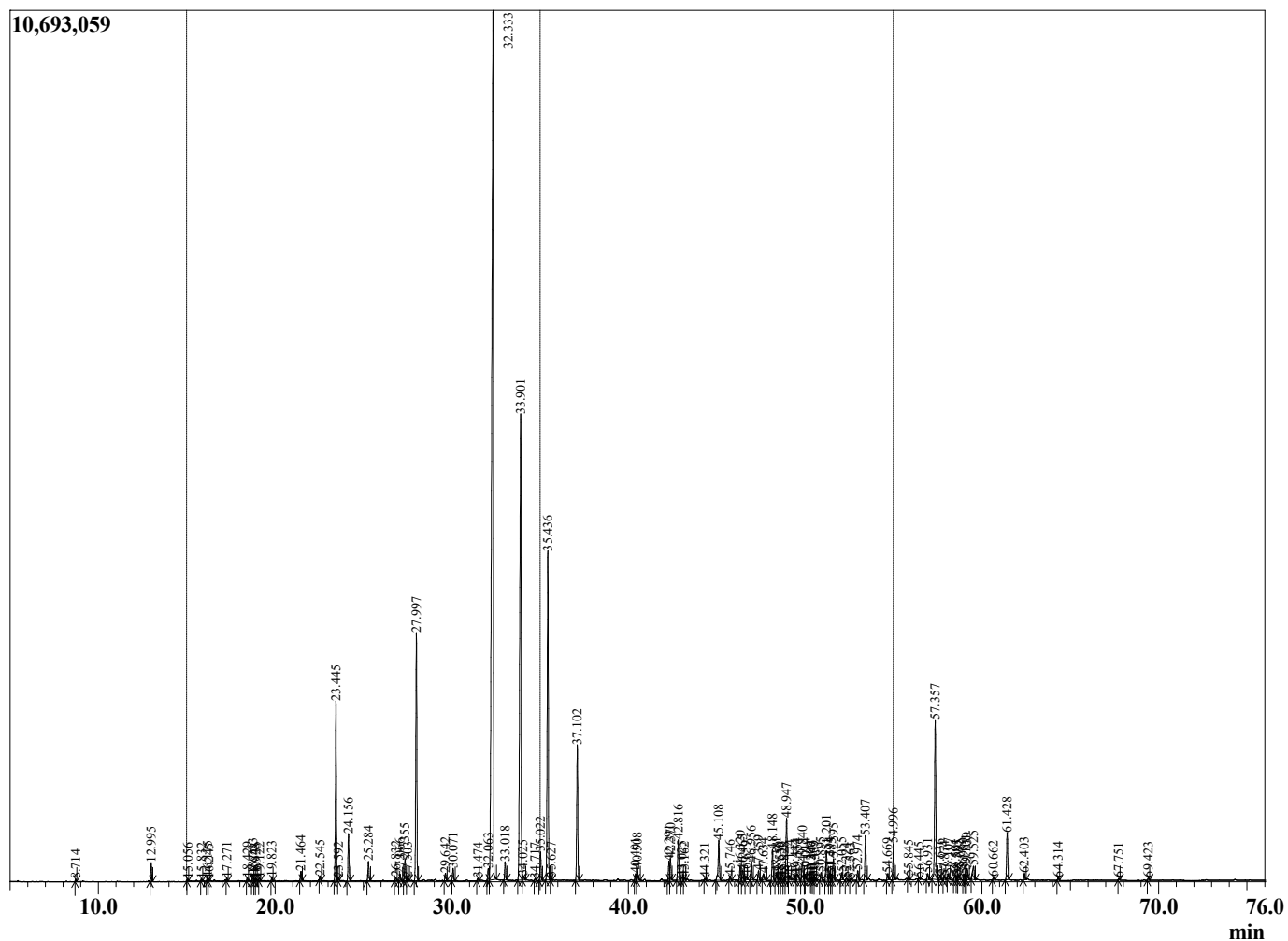
Sample Information

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

Geranium Egypt
 Lot# EGZ35-ZE
 Country: Egypt



Chromatogram Pelargonium graveolens



R.Time	Name	Area%
8.714	3-Methyl pentanol	0.03
12.995	alpha-Pinene	0.35
15.056	Bois de Rose oxide	0.04
15.832	6-Methyl hept-5-en-2-one	0.04
16.175	Myrcene	0.09
16.245	Unidentified	0.03
17.271	alpha-Phellandrene	0.06
18.429	para-Cymene	0.06
18.733	Limonene	0.13
18.843	beta-Phellandrene	0.04
18.928	Unidentified	0.04
19.122	cis-beta-Ocimene	0.06
19.823	trans-beta-Ocimene	0.09
21.464	cis-Linalool oxide (furanoid)	0.21
22.545	trans-Linalool oxide (furanoid)	0.09
23.445	Linalool	4.11
23.592	Unidentified	0.04
24.156	cis-Rose oxide	1.10
25.284	trans-Rose oxide	0.46
26.832	Isopulegol	0.09
27.066	Citronellal	0.18
27.355	Menthone	0.51
27.503	Unidentified	0.10
27.997	Isomenthone	6.19
29.642	Isomenthol	0.18
30.071	alpha-Terpineol	0.30
31.474	Unidentified	0.05
32.063	Nerol	0.30
32.333	Citronellol	33.59
33.018	Neral	0.43
33.901	Geraniol	14.49
34.025	Unidentified	0.14
34.717	Isogeraniol	0.04
35.022	Geranial	0.69
35.436	Citronellyl formate	8.53
35.627	Neryl formate	0.05
37.102	Geranyl formate	3.41
40.401	alpha-Cubebene	0.16
40.508	Citronellyl acetate	0.33
42.291	alpha-Copaene	0.50
42.370	Geranyl acetate	0.51
42.816	beta-Bourbonene	1.10
43.025	alpha-Bourbonene	0.12
43.162	beta-Elemene	0.08
44.321	alpha-Gurjunene	0.04
45.108	beta-Caryophyllene	1.17
45.746	beta-Copaene	0.12
46.320	Citronellyl propionate	0.37
46.465	6,9-Guaiaidiene	0.28
46.659	Unidentified	0.09
46.956	Unidentified	0.50
47.359	alpha-Humulene	0.25
47.634	Alloaromadendrene	0.19
48.148	Geranyl propionate	0.81
48.381	10-beta-H-Cadina-1(6),4-diene	0.22
48.559	trans-Cadina-1(6),4-diene	0.09

R.Time	Name	Area%
48.636	Unidentified	0.06
48.828	alpha-Amorphene	0.05
48.947	Germacrene D	1.71
49.124	Unidentified	0.13
49.444	beta-Selinene	0.12
49.554	Viridiflorene	0.31
49.840	Bicyclogermacrene	0.53
50.014	alpha-Murolene	0.17
50.300	Unidentified	0.05
50.347	(E,E)-alpha-Farnesene	0.06
50.465	Unidentified	0.08
50.539	Geranyl isobutyrate	0.09
50.895	gamma-Cadinene	0.20
51.201	delta-Cadinene	0.82
51.394	trans-Calamenene	0.21
51.485	Zonarene	0.16
51.595	Citronellyl butyrate	0.59
52.055	Unidentified	0.17
52.324	Unidentified	0.04
52.563	alpha-Calacorene	0.04
52.974	Unidentified	0.26
53.407	Geranyl butyrate	1.14
54.669	Spathulenol	0.16
54.996	2-Phenylethyl tiglate	0.95
55.845	Neryl (S)-2-methylbutyrate	0.09
56.445	Rosifoliol	0.04
56.931	Unidentified	0.15
57.357	10-epi-gamma-Eudesmol	4.70
57.636	Unidentified	0.13
57.874	gamma-Eudesmol	0.08
58.107	Unidentified	0.13
58.501	Unidentified	0.15
58.585	Unidentified	0.11
58.695	Unidentified	0.15
58.989	Geranyl valerate	0.14
59.101	Unidentified	0.24
59.159	alpha-Eudesmol	0.33
59.525	Citronellyl tiglate	0.51
60.662	Neryl tiglate	0.09
61.428	Geranyl tiglate	1.28
62.403	Unidentified	0.16
64.314	Geranyl hexanoate	0.07
67.751	Unidentified	0.03
69.423	Unidentified	0.06
		100.00