

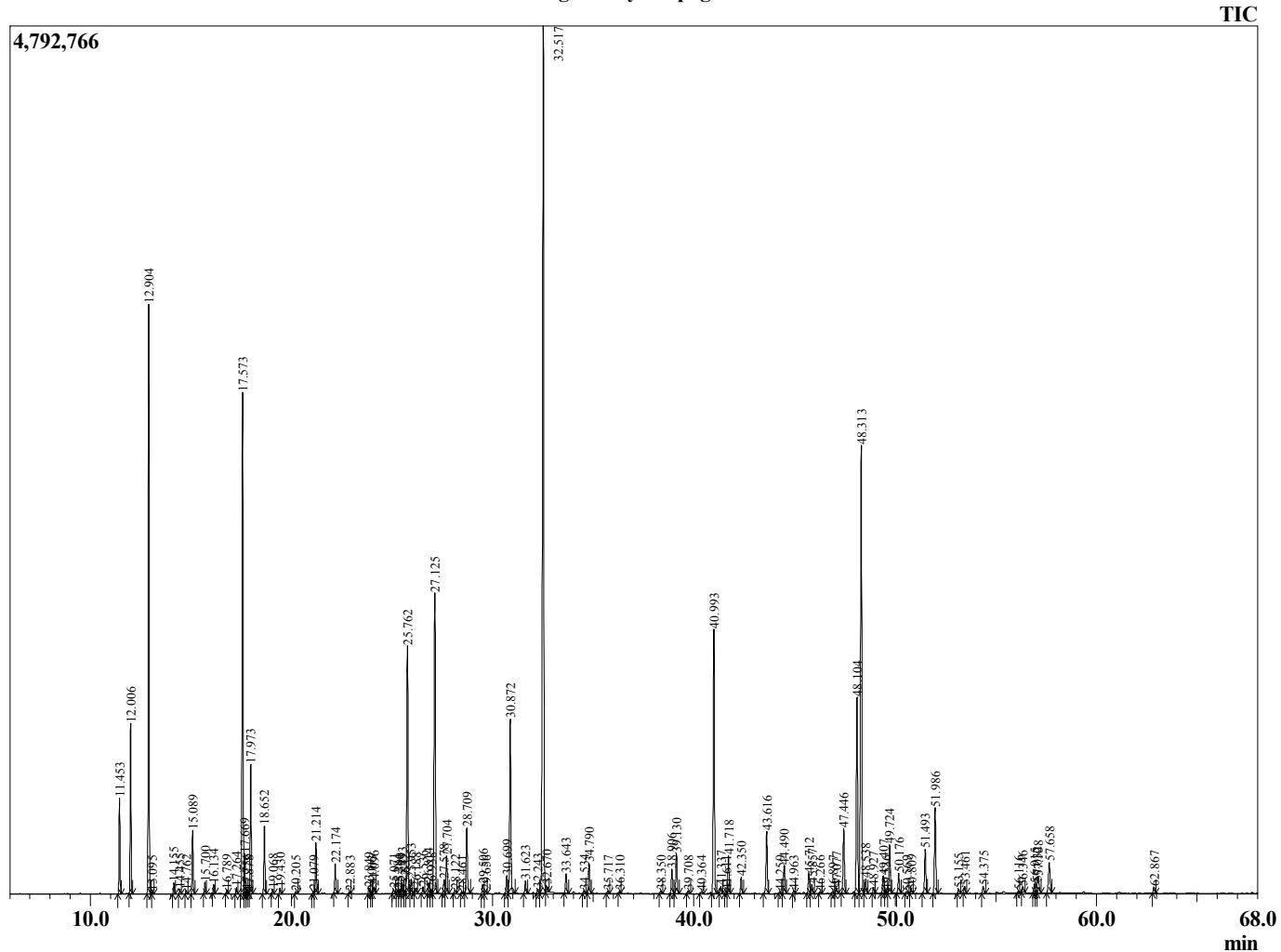
Sample Information

Analyzed : 6/4/2019 5:25:21 PM
 Sample Type : Essential Oil
 Sample Name : Cymbopogon nardus
 Injection Volume : 0.10

Citronella Ceylon
 Lot# CEZ6-ZW
 Country: Ceylon



Chromatogram Cymbopogon nardus



R.Time	Name	Area%
11.453	Tricyclene	1.32
12.006	alpha-Pinene	2.41
12.904	Camphene	8.64
13.095	Thuja-2,4(10)diene	0.03
14.155	Sabinene	0.16
14.455	beta-Pinene	0.07
14.762	6-Methyl hept-5-en-2-one	0.05
15.089	Myrcene	0.98
15.700	2-Carene	0.18
16.134	alpha-Phellandrene	0.14
16.789	alpha-Terpinene	0.06
17.264	para-Cymene	0.10
17.573	Limonene	8.13
17.669	beta-Phellandrene	0.60
17.756	Unidentified	0.05
17.878	Unidentified	0.03
17.973	cis-beta-Ocimene	2.14
18.652	trans-beta-Ocimene	1.11
19.068	2,6-Dimethyl-5-heptenal (Melonal)	0.07
19.430	gamma-Terpinene	0.09
20.205	n-Octanol	0.05
21.079	Unidentified	0.04
21.214	Terpinolene	0.88
22.174	Linalool	0.52
22.883	cis-Rose oxide	0.03
23.849	cis-para-Menth-2-en-1-ol	0.10
24.003	alpha-Campholenal	0.03
24.096	allo-Ocimene	0.14
25.071	trans-para-Menth-2-en-1-ol	0.09
25.284	cis-Verbenol	0.08
25.390	Camphor	0.09
25.493	Isopulegol	0.22
25.632	trans-Verbenol	0.06
25.762	Citronellal	4.62
25.953	trans-beta-Terpineol	0.28
26.188	Isosopulegol	0.12
26.536	Isoborneol	0.13
26.814	Unidentified	0.20
26.938	Unidentified	0.08
27.125	Borneol	6.33
27.578	Unidentified	0.27
27.704	Terpinen-4-ol	0.75
28.122	para-Cymen-8-ol	0.07
28.461	Unidentified	0.03
28.709	alpha-Terpineol	1.37
29.506	Decanal	0.17
29.656	trans-Piperitol	0.06
30.699	Nerol	0.35
30.872	Citronellol	3.34
31.623	Neral	0.24
32.243	trans-Myrtanol	0.08
32.517	Geraniol	18.47
32.670	Piperitone	0.15
33.643	Geranial	0.37
34.534	Unidentified	0.06
34.790	Bornyl acetate	0.60

R.Time	Name	Area%
35.717	Geranyl formate	0.05
36.310	Unidentified	0.03
38.350	Citriodiol	0.06
38.906	alpha-Terpinyl acetate	0.51
39.130	Citronellyl acetate	0.82
39.708	Neryl acetate	0.06
40.364	Unidentified	0.05
40.993	Geranyl acetate	5.22
41.337	beta-Bourbonene	0.15
41.611	Unidentified	0.05
41.718	beta-Elemene	0.77
42.350	Methyleugenol	0.32
43.616	beta-Caryophyllene	1.33
44.259	beta-Copaene	0.04
44.490	trans-alpha-Bergamotene	0.58
44.963	cis-alpha-Bergamotene	0.06
45.712	cis-Methyl isoeugenol	0.45
45.857	alpha-Humulene	0.20
46.266	cis-Cadina-1(6),4-diene	0.04
46.897	10-beta-H-Cadina-1(6),4-diene	0.05
47.077	trans-Cadina-1(6),4-diene	0.14
47.446	Germacrene D	1.38
48.104	(Z,Z)-alpha-Farnesene	4.15
48.313	trans-Methylisoeugenol	9.34
48.538	alpha-Murolene	0.30
48.927	(E,E)-alpha-Farnesene	0.10
49.407	gamma-Cadinene	0.37
49.536	Cubebol	0.03
49.724	delta-Cadinene	1.02
50.176	Citronellyl butyrate	0.41
50.569	trans-Cadine-1,4-diene	0.05
50.809	alpha-Cadinene	0.07
51.493	Elemol	0.93
51.986	Geranyl butyrate	1.76
53.155	Germacren D-4-ol	0.09
53.461	Caryophyllene oxide	0.15
54.375	Unidentified	0.15
56.116	1-epi-Cubenol	0.03
56.346	gamma-Eudesmol	0.12
56.915	alpha-Muurolol (=Torreyol)	0.19
57.032	epi-alpha-Cadinol	0.20
57.108	Unidentified	0.41
57.658	alpha-Cadinol	0.80
62.867	Geranyl hexanoate	0.14
		100.00