

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 11/29/2018 11:49:55 AM
 Sample Type : Essential Oil
 Sample Name : Ylang I, Madagascar
 Sample ID : Barefut-0109
 Injection Volume : 0.10
 Instrument ID : GC-3

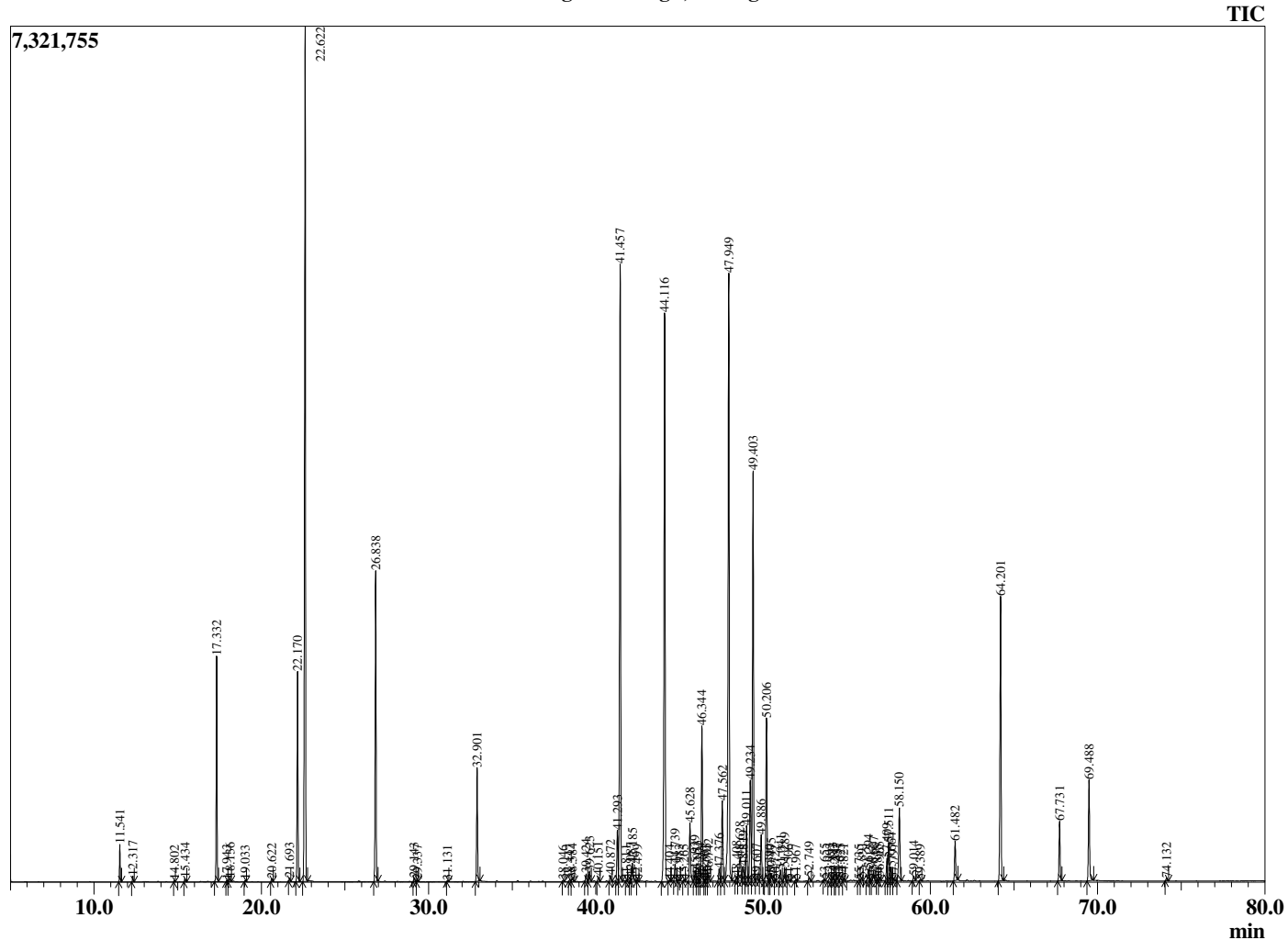


Peak Report TIC

R.Time	Name	Area%
11.541	Prenyl acetate	0.42
12.317	alpha-Pinene	0.07
14.802	beta-Pinene	0.02
15.434	Myrcene	0.05
17.332	para-Methylanisole	3.07
17.943	Limonene	0.02
18.136	1,8-Cineole	0.05
19.033	trans-beta-Ocimene	0.02
20.622	cis-Linalool oxide (furanoid)	0.05
21.693	trans-Linalool oxide (furanoid)	0.05
22.170	Methyl benzoate	3.13
22.622	Linalool	14.15
26.838	Benzyl acetate	4.92
29.143	alpha-Terpineol	0.06
29.337	Estragole	0.02
31.131	Nerol	0.01
32.901	Geraniol	1.79
38.046	Unidentified	0.02
38.447	Unidentified	0.04
38.584	Unidentified	0.07
39.424	alpha-Cubebene	0.13
39.623	Eugenol	0.17
40.151	Neryl acetate	0.08
40.872	alpha-Ylangene	0.11
41.293	alpha-Copaene	0.92
41.457	Geranyl acetate	10.74
41.811	Unidentified	0.02
42.087	beta-Cubebene	0.06
42.185	beta-Elemene	0.37
42.499	Unidentified	0.02
44.116	beta-Caryophyllene	10.91
44.404	Unidentified	0.02
44.739	beta-Copaene	0.31
44.983	Unidentified	0.02
45.265	Aromadendrene	0.03
45.628	trans-Cinnamyl acetate	1.13
45.939	cis-Murrola-3,5-diene	0.21
46.053	trans-Murrola-3,5-diene	0.10
46.204	trans-beta-Farnesene	0.06
46.344	alpha-Humulene	2.83
46.501	Unidentified	0.03
46.603	cis-Cadina-1(6),4-diene	0.06
46.742	cis-muuroala-4(14),5-diene	0.13
47.376	10-beta-H-Cadina-1(6),4-diene	0.23
47.562	trans-Cadina-1(6),4-diene	1.52
47.949	Germacrene D	12.35
48.408	Prenyl benzoate	0.07
48.628	trans-Murrola-4(14),5-diene	0.70
48.819	Bicyclgermacrene	0.30
49.011	alpha-Murolene	1.00
49.234	(Z,E)-alpha-Farnesene	2.04
49.403	(E,E)-alpha-Farnesene	7.38
49.607	beta-Bisabolene	0.05
49.886	gamma-Cadinene	0.84
50.206	delta-Cadinene	3.07
50.390	cis-Calamenene	0.03
50.475	Zonarene	0.18
50.722	trans-gamma-Bisabolene	0.01
51.041	trans-Cadine-1,4-diene	0.20
51.289	alpha-Cadinene	0.24
51.506	Unidentified	0.03
51.967	Elemol	0.03

This report is valid for 1 year from the analyzed date.

Chromatogram Ylang I, Madagascar



Comments:

The analysis of this Ylang I, Madagascar batch sample meets the expected chemical profile for authentic essential oil of *Cananga odorata*. No contamination or adulteration was detected.

R.Time	Name	Area%
52.749	trans-Nerolidol	0.08
53.655	Unidentified	0.03
53.993	10-epi-Junenol	0.08
54.173	Globulol	0.07
54.280	Unidentified	0.01
54.437	Unidentified	0.07
54.625	Unidentified	0.08
54.821	Guaiol	0.04
55.735	Unidentified	0.02
55.891	1,10-di-epi-Cubenol	0.06
56.294	Humulane-1,6-dien-3-ol	0.24
56.415	Unidentified	0.03
56.607	1-epi-Cubenol	0.20
56.838	gamma-Eudesmol	0.02
56.965	Unidentified	0.07
57.409	alpha-Muurolol (=Torreyol)	0.42
57.511	epi-alpha-Cadinol	0.78
57.664	Unidentified	0.26
57.797	alpha-Cadinol isomer	0.04
58.150	alpha-Cadinol	1.54
59.014	Unidentified	0.09
59.389	Unidentified	0.02
61.482	(2E,6E)-Farnesol	0.73
64.201	Benzyl benzoate	5.25
67.731	Farnesyl acetate	1.07
69.488	Benzyl salicylate	1.88
74.132	Geranyl benzoate	0.05
		100.00