

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 9/25/2019 3:45:05 AM
 Sample Type : Essential Oil
 Sample Name : Ylang Ylang - Barefut
 Sample ID : 0111
 Injection Volume : 0.10
 Instrument ID : GC-4

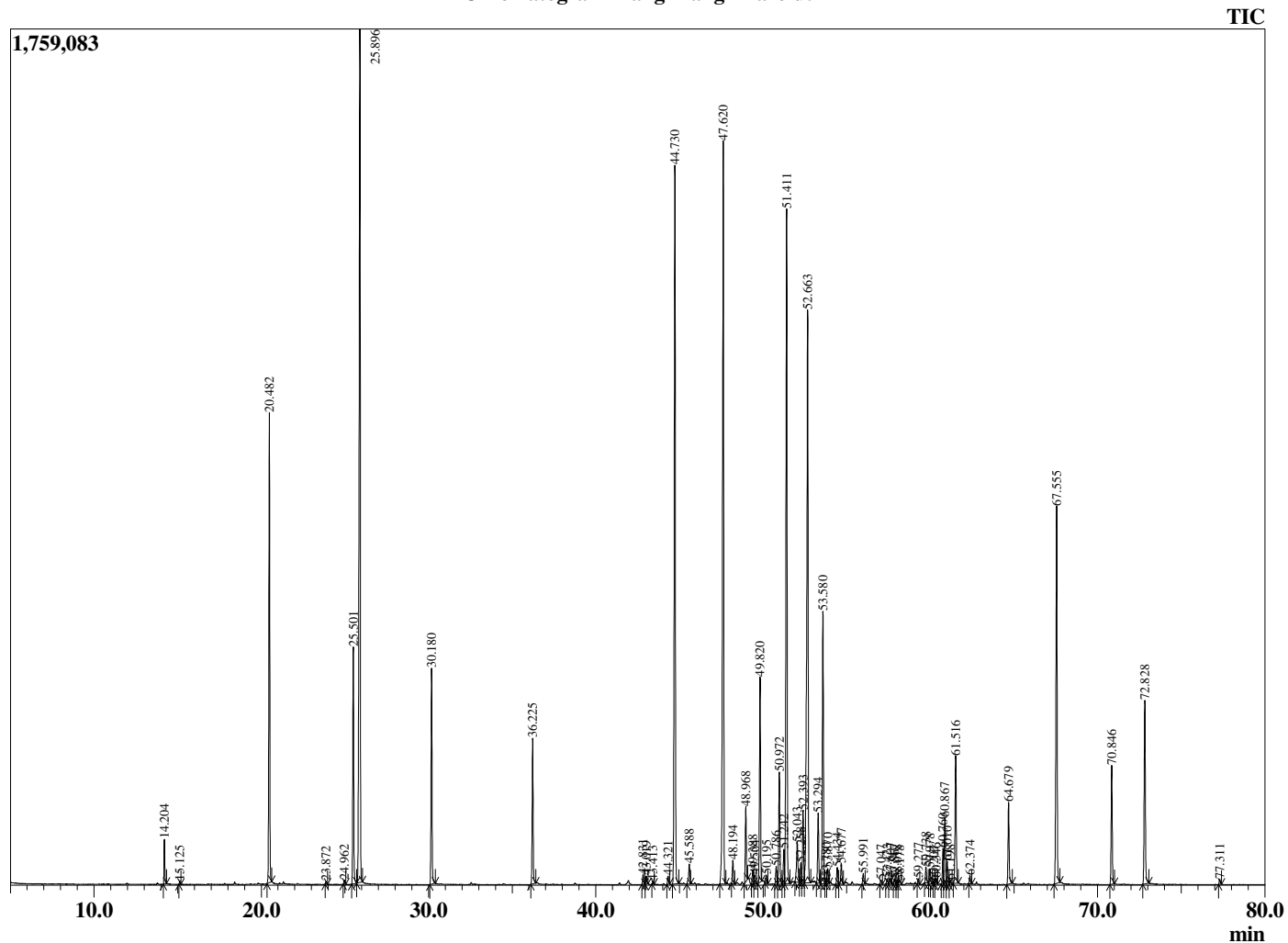


Peak Report TIC

R.Time	Name	Area%
14.204	Prenyl acetate	0.46
15.125	alpha-Pinene	0.04
20.482	para-Methylanisole	5.47
23.872	cis-Linalool oxide (furanoid)	0.03
24.962	trans-Linalool oxide (furanoid)	0.05
25.501	Methyl benzoate	2.90
25.896	Linalool	13.03
30.180	Benzyl acetate	2.68
36.225	Geraniol	1.85
42.831	alpha-Cubebene	0.13
43.019	Eugenol	0.11
43.413	Neryl acetate	0.03
44.321	alpha-Ylangene	0.12
44.730	Geranyl acetate	10.27
45.588	beta-Elemene	0.33
47.620	beta-Caryophyllene	11.15
48.194	beta-Copaene	0.31
48.968	(E)-Cinnamyl acetate	0.97
49.388	trans-Murrola-3,5-diene	0.19
49.504	Unidentified	0.16
49.820	alpha-Humulene	2.78
50.195	cis-Cadina-1(6),4-diene	0.11
50.786	10-beta-H-Cadina-1(6),4-diene	0.26
50.972	trans-Cadina-1(6),4-diene	1.65
51.242	alpha-Amorphene	0.47
51.411	Germacrene D	9.95
52.043	trans-Murrola-4(14),5-diene	0.73
52.258	Bicyclogermacrene	0.27
52.393	alpha-Muurolene	1.04
52.663	(E,E)-alpha-Farnesene	10.18
53.294	gamma-Cadinene	0.98
53.580	delta-Cadinene	3.77
53.780	trans-Calamenene	0.09
53.870	Zonarene	0.22
54.434	trans-Cadine-1,4-diene	0.23
54.677	alpha-Cadinene	0.30
55.991	trans-Nerolidol	0.15
57.047	Unidentified	0.06
57.423	10-epi-Junenol	0.08
57.607	Globulol	0.09
57.867	Unidentified	0.07
58.018	Unidentified	0.07
58.178	Globulol	0.08
59.277	1,10-di-epi-Cubanol	0.07
59.738	Humulane-1,6-dien-3-ol	0.25
59.978	1-epi-Cubanol	0.22
60.207	10-epi-gamma-Eudesmol	0.03
60.346	Unidentified	0.08
60.760	alpha-Muurolool (=Torreyol)	0.49
60.867	epi-alpha-Cadinol	1.01
61.010	delta-Cadinol	0.34
61.198	alpha-Cadinol isomer	0.06
61.516	alpha-Cadinol	1.96
62.374	Unidentified	0.12
64.679	(2E,6E)-Farnesol	1.16
67.555	Benzyl benzoate	5.77
70.846	Farnesyl acetate	1.65
72.828	Benzyl salicylate	2.78
77.311	Geranyl benzoate	0.07
		100.00

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

Chromatogram Ylang Ylang - Barefut



Comments:

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