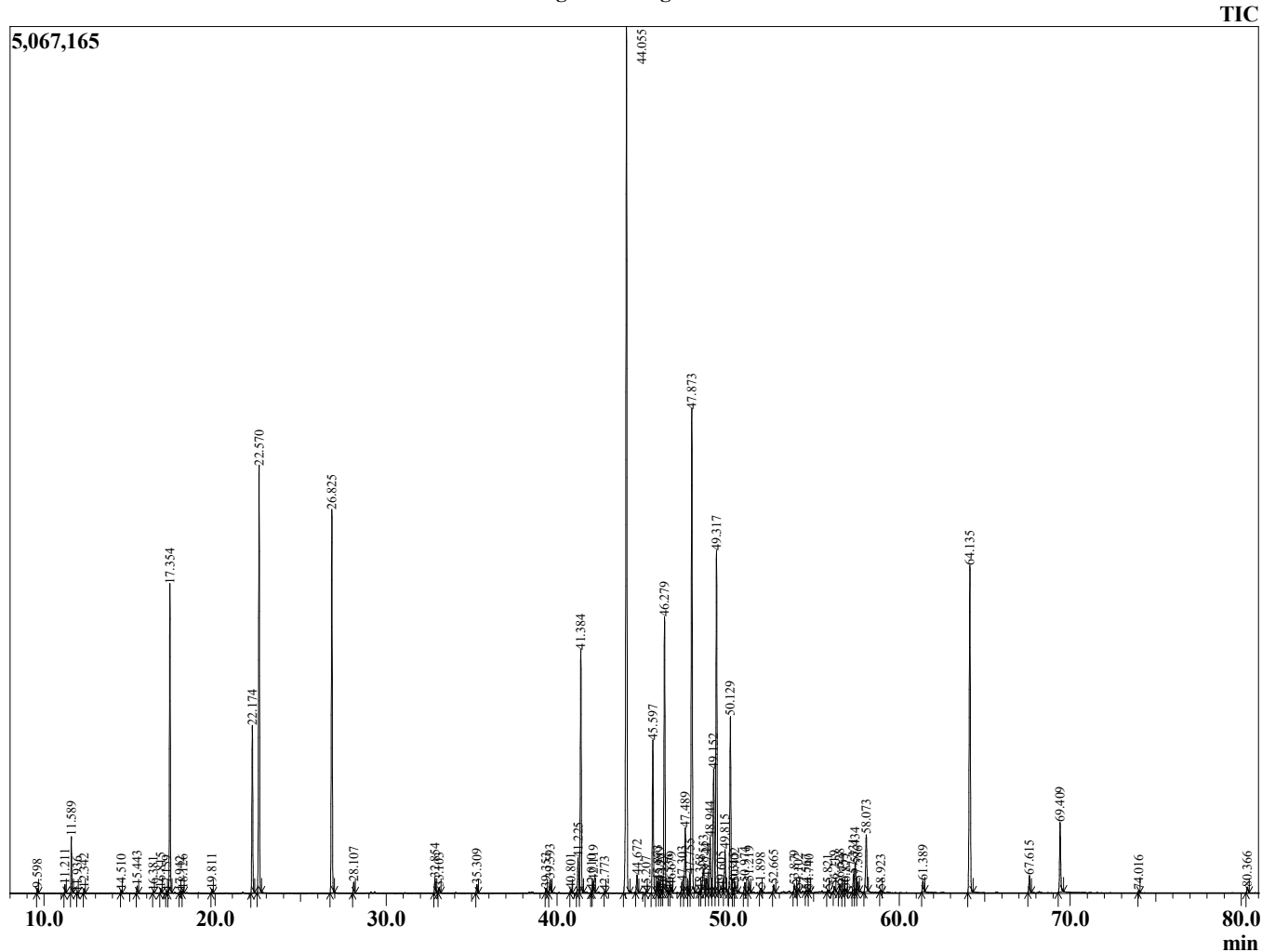


Sample Information

Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 6/24/2021 10:13:24 PM  
 Sample Type : Essential Oil  
 Sample Name : Ylang I Oil - Barefut  
 Sample ID : 0114  
 Injection Volume : 0.10  
 Instrument ID : GC-4



Chromatogram Ylang I Oil - Barefut



R.Time	Name	Area%
9.598	2-Methylbutyl acetate	0.06
11.211	Amyl acetate	0.11
11.589	Prenyl acetate	0.73
11.936	alpha-Thujene	0.01
12.342	alpha-Pinene	0.06
14.510	Sabinene	0.04
15.443	Myrcene	0.11
16.381	Hex-3(Z)-enyl acetate	0.02
16.815	Hexyl acetate	0.07
17.159	alpha-Terpinene	0.03
17.354	para-Methylanisole	4.84
17.942	Limonene	0.02
18.126	1,8-Cineole	0.05
19.811	gamma-Terpinene	0.06
22.174	Methyl Benzoate	2.84
22.570	Linalool	7.33
26.825	Benzyl acetate	6.92
28.107	Terpinen-4-ol	0.20
32.854	Geraniol	0.26
33.103	2-Phenethyl acetate	0.10
35.309	trans-Anethole	0.16
39.353	alpha-Cubebene	0.09
39.593	Eugenol	0.26
40.801	alpha-Ylangene	0.07
41.225	alpha-Copaene	0.70
41.384	Geranyl acetate	4.64
42.010	beta-Cubebene	0.05
42.119	beta-Elementene	0.25
42.773	Methyleugenol	0.02
44.055	trans-beta-Caryophyllene	18.09
44.672	beta-Copaene	0.37
45.207	Aromadendrene	0.02
45.597	trans-Cinnamyl acetate	3.03
45.873	cis-Murrola-3,5-diene	0.26
45.989	trans-Murrola-3,5-diene	0.21
46.122	trans-beta-Farnesene	0.05
46.279	alpha-Humulene	5.61
46.536	Unidentified	0.03
46.679	cis-Cadina-1(6),4-diene	0.12
47.303	10-beta-H-Cadina-1(6),4-diene	0.23
47.489	trans-Cadina-1(6),4-diene	1.39
47.755	alpha-Amorphene	0.29
47.873	Germacrene D	10.06
48.358	Prenyl benzoate	0.04
48.553	trans-Muurolo-4(14),5-diene	0.71
48.744	Bicyclogermacrene	0.35
48.944	alpha-Muurolole	1.17
49.152	cis,trans-alpha-Farnesene	2.71
49.317	trans,trans-alpha-Farnesene	6.98
49.605	beta-Curcumene	0.14
49.815	gamma-Cadinene	0.84
50.129	delta-Cadinene	3.52
50.315	Unidentified	0.10
50.402	Zonarene	0.25
50.974	trans-Cadina-1,4-diene	0.21
51.219	alpha-Cadinene	0.22

Comments:

The analysis of this Ylang Ylang I batch sample meets the expected chemical profile for authentic essential oil of *Cananga odorata*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

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R.Time	Name	Area%
51.898	Elemol	0.08
52.665	trans-Nerolidol	0.16
53.879	Caryophyllene oxide	0.17
54.102	Viridiflorol	0.05
54.567	Unidentified	0.04
54.740	Guaiol	0.04
55.821	Unidentified	0.05
56.219	Humulane-1,6-dien-3-ol	0.10
56.528	1-epi-Cubenol	0.18
56.753	gamma-Eudesmol	0.07
56.877	Unidentified	0.07
57.331	tau-Cadinol	0.37
57.434	epi-alpha-Cadinol	0.67
57.586	delta-Cadinol	0.21
58.073	alpha-Cadinol	1.38
58.923	Striatol	0.04
61.389	(2E,6E)-Farnesol	0.25
64.135	Benzyl Benzoate	7.01
67.615	Farnesyl acetate	0.34
69.409	Benzyl salicylate	1.44
74.016	Geranyl benzoate	0.04
80.366	Benzyl cinnamate	0.13
		100.00