



Essential Oil University

GC/MS Report

Item	Lot
Ylang Ylang EO (Complete), Madagascar <i>Cananga odorata var. genuina</i>	9C
Date	Analyst
2/16/2026	Dr. Robert S. Pappas

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The analysis of this batch sample, Ylang Ylang EO (Complete), Madagascar, meets the expected chemical profile for authentic essential oil of *Cananga odorata var. genuina*. 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.



Sample Information

Company: Revive
Sample Name: Ylang Ylang EO (Complete),
 Madagascar
Botanical Name: Cananga odorata var. genuina
Lot Number: 9C
Production Method: Steam distilled

Sample Type: EO - Single
Country of Origin: Madagascar
Analysis Date: 2/16/2026
Manufacture Date: January 2026

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra
Injection Type: Split
Split Ratio: 24.4

Column Type: ZB-5
Injection Volume: 0.1 µL
Temperature Program: 2C/min

Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-34.40
Refractive Index @20°C	USP[831]	1.50269
Specific Gravity @20°C	USP[841]	0.93290



Ret. Time	Component	Ret. Idx.	Conc. %	
3.749	Unidentified	583	0.02%	
11.617	Amyl acetate	909	0.14%	
12.008	Prenyl acetate	916	0.56%	
12.779	alpha-Pinene	930	0.16%	ALLERGEN
14.397	Benzaldehyde	958	0.02%	ALLERGEN IFRA
15.306	beta-Pinene	974	0.04%	ALLERGEN
15.932	Myrcene	985	0.08%	PROP. 65
16.895	Hex-(3Z)-enyl acetate	1002	0.04%	
17.330	Hexyl acetate	1009	0.08%	
17.874	para-Methylanisole	1017	4.37%	
18.467	Limonene	1026	0.03%	ALLERGEN IFRA
18.670	1,8-Cineole	1029	0.07%	
19.564	trans-beta-Ocimene	1042	0.02%	
21.214	para-Cresol	1067	0.05%	IFRA
22.277	cis-Linalool oxide (furanoid)	1083	0.01%	
22.789	Methyl benzoate	1091	2.23%	
23.157	Linalool	1096	5.42%	ALLERGEN IFRA
27.469	Benzyl acetate	1158	4.7%	
28.045	Ethyl benzoate	1167	0.03%	
29.553	Methyl salicylate	1188	0.02%	ALLERGEN
29.791	alpha-Terpineol	1192	0.1%	ALLERGEN
29.995	Estragole	1195	0.07%	PROP. 65 IFRA
31.775	Nerol	1221	0.01%	
32.730	Neral	1235	0.01%	ALLERGEN IFRA
33.529	Geraniol	1246	0.67%	ALLERGEN IFRA
33.801	2-Phenethyl acetate	1250	0.09%	
34.755	Geranial	1264	0.02%	ALLERGEN IFRA
36.011	trans-Anethole	1282	0.14%	ALLERGEN
36.820	1-Nitro-2-phenylethane	1294	0.04%	
38.682	Unidentified isomer I	1322	0.02%	
39.080	Unidentified	1328	0.04%	
39.212	Unidentified isomer I	1330	0.08%	
40.063	alpha-Cubebene	1343	0.17%	
40.304	Eugenol	1347	0.44%	ALLERGEN IFRA
40.788	Neryl acetate	1354	0.03%	
41.527	alpha-Ylangene	1365	0.14%	
41.805	Butyl benzoate	1370	0.01%	
41.952	alpha-Copaene	1372	1%	
42.076	Geranyl acetate	1374	7.59%	ALLERGEN
42.465	Unidentified	1380	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
42.740	beta-Cubebene	1384	0.08%	
42.837	beta-Elemene	1385	0.43%	
43.149	Unidentified	1390	0.02%	
43.728	Cyperene	1399	0.02%	
44.787	beta-Caryophyllene	1416	13.67%	ALLERGEN
45.074	Unidentified	1420	0.04%	
45.417	beta-Copaene	1426	0.41%	
45.949	Aromadendrene	1434	0.03%	
46.327	trans-Cinnamyl acetate	1440	1.48%	
46.390	cis-Muuroala-3,5-diene	1441	0.19%	
46.617	trans-Murrola-3,5-diene	1445	0.26%	
46.737	Unidentified	1447	0.11%	
46.826	trans-beta-Farnesene	1448	0.06%	
47.029	alpha-Humulene	1452	3.67%	
47.184	Unidentified	1454	0.04%	
47.285	cis-Cadina-1(6),4-diene	1456	0.06%	
47.426	cis-Muuroala-4(14),5-diene	1458	0.17%	
48.049	trans-Cadina-1(6),4-diene	1468	0.25%	
48.230	gamma-Muurolene	1471	1.8%	
48.530	alpha-Amorphene	1475	0.48%	
48.630	Germacrene D	1477	15.31%	
49.100	Prenyl benzoate	1485	0.18%	
49.307	trans-Muuroala-4(14),5-diene	1488	0.86%	
49.507	Bicyclogermacrene	1491	0.44%	
49.688	alpha-Muurolene	1494	1.16%	
49.888	cis-trans-alpha-Farnesene	1497	1.89%	
50.033	trans,trans-alpha-Farnesene	1499	8.4%	
50.245	Unidentified	1503	0.05%	
50.339	Unidentified	1505	0.04%	
50.572	gamma-Cadinene	1508	1.03%	
50.635	Cubebol	1510	0.05%	
50.876	delta-Cadinene	1514	3.49%	
51.105	cis-Calamenene	1517	0.06%	
51.157	Zonarene	1518	0.18%	
51.728	trans-Cadine-1,4-diene	1528	0.23%	
51.976	alpha-Cadinene	1532	0.27%	
52.210	Unidentified	1536	0.04%	
52.648	alpha-Elemol	1543	0.04%	
53.395	trans-Nerolidol	1556	0.09%	
54.357	Unidentified	1572	0.05%	



Ret. Time	Component	Ret. Idx.	Conc. %	
54.682	10-epi-Junenol	1578	0.1%	
54.889	Globulol	1581	0.08%	
55.148	Unidentified	1585	0.06%	
55.321	Unidentified	1588	0.05%	
55.375	Unidentified	1589	0.04%	
55.514	Guaiol	1592	0.05%	
56.119	Eudesm-5-en-11-ol	1602	0.01%	
56.596	1,10-di-epi-Cubenol	1610	0.07%	
57.013	Humulane-1,6-dien-3-ol	1618	0.28%	
57.085	Unidentified	1619	0.04%	
57.305	1-Epicubenol	1623	0.24%	
57.535	gamma-Eudesmol	1627	0.04%	
57.670	Unidentified	1629	0.09%	
58.108	tau-Cadinol	1637	0.46%	
58.212	epi-alpha-Cadinol	1639	0.88%	
58.363	delta-Cadinol	1642	0.29%	
58.515	Unidentified	1644	0.05%	
58.856	alpha-Cadinol	1650	1.67%	
59.045	Unidentified	1654	0.02%	
59.711	Striatol	1665	0.09%	
59.905	Unidentified	1669	0.02%	
62.144	(2E,6E)-Farnesol	1709	0.48%	ALLERGEN IFRA
62.919	Unidentified	1723	0.01%	
64.934	Benzyl benzoate	1761	6.72%	ALLERGEN IFRA
68.369	Farnesyl acetate	1826	0.87%	
70.227	Benzyl salicylate	1863	1.28%	ALLERGEN IFRA
74.825	Geranyl benzoate	1955	0.04%	
81.216	Benzyl cinnamate	2090	0.05%	ALLERGEN IFRA

Total Identified Compounds **99.04 %**



TIC
5,077,838

