



Essential Oil University

GC/MS Report

Item	Lot
NOP Ylang Ylang EO <i>Cananga odorata var. genuina</i>	8E
Date	Analyst
1/15/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, NOP Ylang Ylang EO, 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:** NOP Ylang Ylang EO**Botanical Name:** Cananga odorata var. genuina**Lot Number:** 8E**Production Method:** Steam distilled**Sample Type:** EO - Certified Organics**Country of Origin:** Madagascar**Analysis Date:** 1/15/2025**Manufacture Date:** April 2022

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

Optical Rotation @20°C

Refractive Index @20°C

Specific Gravity @20°C

METHOD

USP[781]

USP[831]

USP[841]

RESULTS

-27.33

1.49790

0.93275



Ret. Time	Component	Ret. Idx.	Conc. %	
3.446	Ethyl Acetate	655	0.07%	
9.175	Isoamyl acetate	869	0.02%	
9.255	2-Methylbutyl acetate	871	0.02%	
9.461	4-Pentenyl acetate	877	0.05%	
11.228	Prenyl acetate	916	0.23%	
11.941	alpha-Pinene	929	0.23%	
13.531	Benzaldehyde	958	0.02%	IFRA
14.096	Sabinene	968	0.01%	
14.390	beta-Pinene	974	0.08%	
15.039	Myrcene	986	0.11%	
15.980	Hex-(3Z)-enyl acetate	1002	0.06%	
16.422	Hexyl acetate	1009	0.06%	
16.959	para-Cresyl methyl ether	1017	5.24%	
17.517	Limonene	1026	0.04%	IFRA
17.687	1,8-Cineole	1029	0.31%	
17.793	Benzyl alcohol	1030	0.03%	IFRA
20.161	cis-Linalool oxide (furanoid)	1067	0.02%	
20.284	para-Cresol	1069	0.04%	IFRA
21.145	Terpinolene	1082	0.02%	
21.219	trans-Linalool oxide (furanoid)	1083	0.02%	
21.736	Methyl benzoate	1091	2.93%	
22.158	Linalool	1097	10.43%	IFRA
22.480	Nonanal	1102	0.02%	
25.085	Unidentified	1140	0.03%	
26.333	Benzyl acetate	1159	2.81%	
26.465	para-Cresol acetate	1161	0.04%	
26.880	Ethyl benzoate	1167	0.07%	
28.355	Methyl salicylate	1188	0.08%	
28.590	alpha-Terpneol	1192	0.16%	
28.804	Estragole	1195	0.19%	IFRA
30.577	Nerol	1221	0.04%	
31.522	Neral	1235	0.03%	IFRA
32.339	Geraniol	1247	1.93%	IFRA
32.586	2-Phenethyl acetate	1250	0.06%	
33.532	Geranial	1264	0.08%	IFRA
34.786	(E)-Anethole	1283	0.08%	
35.569	1-Nitro-2-phenylethane	1294	0.07%	
37.405	Unidentified	1322	0.02%	
37.789	delta-Elemene	1328	0.04%	
37.937	Unidentified	1330	0.08%	



Ret. Time	Component	Ret. Idx.	Conc. %	
38.771	alpha-Cubebene	1343	0.17%	
39.056	Eugenol	1347	0.6%	IFRA
39.556	Neryl acetate	1355	0.04%	
40.218	alpha-Ylangene	1365	0.13%	
40.640	alpha-Copaene	1371	0.98%	
40.873	Geranyl acetate	1375	10.53%	
41.436	beta-Cubebene	1383	0.12%	
41.546	beta-Elemene	1385	0.39%	
42.259	Methyleugenol	1396	0.02%	IFRA
43.468	beta-Caryophyllene	1415	10.11%	
43.590	Unidentified	1417	0.04%	
44.088	beta-Copaene	1425	0.47%	
44.620	Aromadendrene	1433	0.03%	
44.995	Unidentified	1439	0.06%	
45.069	(E)-Cinnamyl acetate	1441	0.83%	
45.155	trans-Isoeugenol	1442	0.12%	IFRA
45.285	Cadina-3,5-diene	1444	0.19%	
45.405	trans-Murrola-3,5-diene	1446	0.3%	
45.689	alpha-Humulene	1451	3.03%	
45.845	Unidentified	1453	0.03%	
45.953	cis-Cadina-1(6),4-diene	1455	0.05%	
46.096	cis-Muurolo-4(14),5-diene	1457	0.15%	
46.729	10-beta-H-Cadina-1(6),4-diene	1467	0.22%	
46.932	trans-Cadina-1(6),4-diene	1470	1.55%	
47.322	Germacrene D	1477	12.56%	
47.815	Prenyl benzoate	1485	0.38%	
47.988	trans-Muurolo-4(14),5-diene	1487	0.67%	
48.173	Bicyclogermacrene	1490	0.44%	
48.379	alpha-Muuroloene	1494	1.15%	
48.588	(Z,E)-alpha-Farnesene	1497	1.84%	
48.781	(E,E)-alpha-Farnesene	1500	5.86%	
48.977	Unidentified	1503	0.03%	
49.253	gamma-Cadinene	1508	0.95%	
49.574	delta-Cadinene	1513	3.04%	
49.760	trans-Calamenene	1517	0.13%	
49.835	Zonarene	1518	0.18%	
50.413	trans-Cadina-1,4-diene	1527	0.18%	
50.661	alpha-Cadinene	1532	0.24%	
50.920	alpha-Calacorene	1536	0.07%	
51.343	Elemol	1543	0.08%	



Ret. Time	Component	Ret. Idx.	Conc. %	
51.499	Unidentified	1546	0.04%	
52.125	(E)-Nerolidol	1556	0.14%	
53.014	Unidentified	1571	0.12%	
53.311	Caryophyllene oxide	1576	0.32%	
53.542	Globulol	1580	0.09%	
53.800	Unidentified	1584	0.1%	
53.984	Unidentified	1588	0.09%	
54.188	Guaiol	1591	0.09%	
54.774	Unidentified	1601	0.03%	
54.926	Humulene epoxide II	1604	0.07%	
55.266	1,10-di-Epicubenol	1610	0.09%	
55.648	Humulane-1,6-dien-3-ol	1616	0.27%	
55.770	Unidentified	1619	0.02%	
55.978	1-Epicubenol	1622	0.24%	
56.210	gamma-Eudesmol	1626	0.05%	
56.336	Unidentified	1629	0.09%	
56.796	tau-Cadinol	1637	0.59%	
56.901	epi-alpha-Cadinol	1639	0.88%	
57.048	delta-Cadinol	1641	0.33%	
57.190	alpha-Cadinol isomer	1644	0.05%	
57.544	alpha-Cadinol	1650	1.9%	
57.715	Unidentified	1653	0.03%	
58.069	trans-Calamenen-10-ol	1659	0.03%	
58.386	Striatol	1665	0.18%	
58.775	Unidentified	1672	0.05%	
60.881	(2E,6E)-Farnesol	1710	1.58%	IFRA
62.051	(2E,6E)-Farnesal	1731	0.03%	
63.653	Benzyl benzoate	1761	5.75%	IFRA
67.122	(2E,6E)-Farnesyl acetate	1827	1.6%	
68.925	Benzyl salicylate	1862	1.22%	IFRA
73.549	Geranyl benzoate	1955	0.1%	

Total Identified Compounds **99.14 %**

