



Essential Oil University

GC/MS Report

Item	Lot
Amyris EO <i>Amyris balsamifera</i>	7P
Date	Analyst
10/27/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Amyris EO, meets the expected chemical profile for authentic essential oil of *Amyris balsamifera*. 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:** Amyris EO**Botanical Name:** Amyris balsamifera**Lot Number:** 7P**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Haiti**Analysis Date:** 10/27/2025**Manufacture Date:** October 2025

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

+23.68

1.50536

0.95623



Ret. Time	Component	Ret. Idx.	Conc. %	
17.590	Limonene	1028	0.01%	ALLERGEN IFRA
28.475	Unidentified	1190	0.02%	
35.913	Unidentified	1299	0.01%	
39.456	Unidentified	1353	0.09%	
39.925	Unidentified	1361	0.01%	
40.034	Unidentified	1362	0.07%	
40.450	Unidentified	1369	0.06%	
41.174	Unidentified	1380	0.01%	
41.481	Unidentified	1384	0.13%	
41.665	beta-Elemene	1387	0.22%	
41.872	cis-beta-Caryophyllene	1390	0.05%	ALLERGEN
42.051	Unidentified	1393	0.02%	
42.548	Unidentified	1401	0.13%	
42.710	Unidentified	1403	0.01%	
42.866	Unidentified	1406	0.09%	
43.102	alpha-Dihydroionone	1410	0.03%	
43.339	alpha-Cedrene	1413	0.04%	IFRA
43.545	beta-Caryophyllene	1417	0.09%	ALLERGEN
43.678	Unidentified	1419	0.03%	
43.929	Unidentified	1423	0.16%	
44.110	Unidentified	1426	0.04%	
44.186	gamma-Elemene	1427	0.09%	
44.424	trans-alpha-Bergamotene	1431	0.05%	
44.523	Unidentified	1432	0.04%	
44.996	Unidentified	1440	0.04%	
45.342	Unidentified	1446	0.12%	
45.447	Amorpha-4,11-diene	1447	0.65%	
45.738	Unidentified	1452	0.26%	
45.939	beta-Acoradiene	1455	2.22%	
46.010	Unidentified	1456	0.22%	
46.180	Unidentified	1459	0.01%	
46.244	Unidentified	1460	0.02%	
46.340	Unidentified	1462	0.01%	
46.547	Unidentified	1465	0.1%	
46.708	Unidentified	1467	0.06%	
46.920	Unidentified	1471	0.81%	
47.120	Unidentified	1474	0.57%	
47.215	gamma-Curcumene	1476	1.04%	
47.419	Ar-Curcumene	1479	2.32%	
47.564	Selina-4,11-diene	1481	0.5%	



Ret. Time	Component	Ret. Idx.	Conc. %
47.778	delta-Selinene	1485	0.19%
47.885	beta-Selinene	1486	0.47%
48.110	Valencene	1490	1.52%
48.284	alpha-Zingiberene	1493	3.24%
48.523	Unidentified	1497	0.04%
48.691	Unidentified	1499	0.07%
48.873	Dihydroagarofuran isomer	1502	0.83%
49.059	beta-Bisabolene	1505	1.88%
49.120	Dihydroagarofuran isomer	1506	0.36%
49.270	Unidentified	1509	0.17%
49.406	Unidentified	1511	0.08%
49.580	Unidentified	1514	0.01%
49.719	7-epi-alpha-Selinene	1517	0.95%
50.026	beta-Sesquiphellandrene	1522	3.33%
50.302	Unidentified	1526	0.03%
50.513	Unidentified	1530	0.66%
50.662	Unidentified	1532	0.22%
50.772	Selina-4(15),7(11)-diene	1534	0.32%
51.058	Selina-3,7(11)-diene	1539	2.37%
51.482	alpha-Elemol	1546	8.81%
51.595	Unidentified	1548	0.16%
51.738	Unidentified	1551	0.07%
52.206	trans-Nerolidol	1559	0.59%
52.206	alpha-Elemol	1559	0.61%
52.752	Unidentified	1568	0.05%
53.054	Unidentified	1573	0.1%
53.314	Unidentified	1577	0.01%
53.426	Unidentified	1579	0.02%
53.575	Unidentified	1582	0.01%
53.661	Unidentified	1583	0.02%
53.736	Unidentified	1584	0.04%
53.849	Unidentified	1586	0.05%
54.316	Unidentified	1594	0.07%
54.463	Unidentified	1597	0.06%
54.589	Unidentified	1599	0.04%
54.862	5-epi-7-epi-alpha-Eudesmol	1604	1.27%
55.132	Unidentified	1608	0.17%
55.319	Unidentified	1612	0.15%
55.489	Unidentified	1615	0.12%
55.764	10-epi-gamma-Eudesmol	1620	4.72%



Ret. Time	Component	Ret. Idx.	Conc. %	
55.910	Guaiol	1622	1.17%	
56.225	Eremoligenol isomer	1628	0.33%	
56.347	gamma-Eudesmol	1630	8.83%	
56.776	Unidentified	1638	0.44%	
57.027	Unidentified	1642	0.35%	
57.126	Unidentified	1644	0.84%	
57.277	Unidentified	1647	0.29%	
57.624	Valerianol	1653	21.13%	
57.695	beta-Eudesmol	1654	1.34%	
57.703	alpha-Eudesmol	1654	4.01%	
57.865	Dihydroagarofuran isomer	1657	0.52%	
57.990	7-epi-alpha-Eudesmol	1659	4.79%	
58.155	Unidentified	1662	0.2%	
58.399	Unidentified	1667	0.16%	
58.612	Unidentified	1670	0.1%	
58.781	Unidentified	1673	0.11%	
58.917	Unidentified	1676	0.39%	
58.999	Unidentified	1677	0.36%	
59.329	Unidentified	1683	0.14%	
59.431	Unidentified	1685	0.22%	
59.817	Unidentified	1692	0.28%	
59.994	beta-Caryophyllene acetate isomer I	1695	4.26%	
60.218	Unidentified	1699	0.09%	
60.360	Unidentified	1702	0.05%	
60.634	Unidentified	1707	0.42%	
60.817	Unidentified	1710	0.09%	
60.931	Farnesol isomer	1712	0.09%	ALLERGEN IFRA
61.052	Unidentified	1714	0.05%	
61.257	Unidentified	1718	0.1%	
61.430	Unidentified	1722	0.03%	
61.645	Unidentified	1726	0.07%	
61.876	Unidentified	1730	0.08%	
62.054	Unidentified	1733	0.34%	
62.156	Caryophyllene acetate isomer II	1735	0.11%	
62.410	Unidentified	1740	0.58%	
62.485	Unidentified	1741	0.12%	
62.610	Cresol isomer	1744	0.01%	IFRA
62.877	Unidentified	1749	0.28%	
63.043	Unidentified	1752	0.02%	
63.463	Unidentified	1760	0.05%	



Ret. Time	Component	Ret. Idx.	Conc. %	
63.807	Drimenol	1766	2.25%	
64.047	Unidentified	1771	0.03%	
64.228	Unidentified	1774	0.02%	
64.510	Unidentified	1779	0.13%	
64.660	Unidentified	1782	0.01%	
65.120	Unidentified	1791	0.01%	
65.270	Unidentified	1793	0.04%	
65.543	Unidentified	1799	0.02%	
65.804	Unidentified	1804	0.01%	
66.156	Unidentified	1810	0.02%	
66.260	Unidentified	1813	0.01%	
66.436	Unidentified	1816	0.02%	
66.580	Unidentified	1819	0.01%	
66.984	Unidentified	1827	0.02%	
67.150	Unidentified	1830	0.01%	
67.340	Unidentified	1834	0.02%	
67.656	Unidentified	1840	0.02%	
67.840	Unidentified	1844	0.01%	
68.586	Unidentified	1858	0.03%	
68.864	Unidentified	1864	0.01%	
69.321	Unidentified	1873	0.1%	
71.526	Unidentified	1917	0.01%	
71.793	Unidentified	1922	0.01%	
74.337	Unidentified	1975	0.01%	

Total Identified Compounds **87.61 %**



TIC
12,060,514

