



Essential Oil University

GC/MS Report

Item	Lot
Myrrh EO <i>Commiphora myrrha</i>	8J
Date	Analyst
11/7/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Myrrh EO, meets the expected chemical profile for authentic essential oil of *Commiphora myrrha*. 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:** Myrrh EO**Botanical Name:** Commiphora myrrha**Lot Number:** 8J**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Ethiopia, Somalia**Analysis Date:** 11/7/2025**Manufacture Date:** February 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

-112.96

1.52587

1.01085



Ret. Time	Component	Ret. Idx.	Conc. %	
2.943	Ethanol	543	0.03%	
9.110	para-Xylene	867	0.01%	
17.598	Limonene	1028	0.01%	ALLERGEN IFRA
18.671	trans-beta-Ocimene	1044	0.1%	
37.835	Elemene isomer	1329	0.03%	
37.900	Elemene isomer	1330	0.02%	
38.136	delta-Elemene	1333	0.73%	
38.908	alpha-Cubebene	1345	0.03%	
40.354	alpha-Ylangene	1367	0.02%	
40.773	alpha-Copaene	1374	0.08%	
41.190	Elemene isomer	1380	0.07%	
41.289	beta-Bourbonene	1381	0.31%	
41.479	alpha-Bourbonene	1384	0.03%	
41.688	beta-Elemene	1388	3.48%	
41.989	Unidentified	1392	0.01%	
42.519	Cyperene	1400	0.04%	
43.179	cis-alpha-Bergamotene	1411	0.03%	
43.505	beta-Ylangene	1416	0.13%	
43.553	trans-beta-Caryophyllene	1417	0.51%	ALLERGEN
43.899	Unidentified	1422	0.01%	
44.195	gamma-Elemene	1427	1.13%	
44.429	trans-alpha-Bergamotene	1431	0.05%	
44.535	Unidentified	1433	0.01%	
44.936	Unidentified	1439	0.01%	
45.110	Isogermacrene D	1442	0.07%	
45.300	Unidentified	1445	0.01%	
45.424	Unidentified	1447	0.04%	
45.664	Unidentified	1451	0.03%	
45.806	alpha-Humulene	1453	0.21%	
46.077	Alloaromadendrene	1457	0.04%	
46.196	Rotundene	1459	0.03%	
46.479	Unidentified	1464	0.03%	
46.607	10-beta-H-Cadina1(6),4-diene	1466	0.03%	
46.712	Drima-7,9(11)-diene	1467	0.06%	
46.921	Selina-4,11-diene	1471	0.14%	
47.030	gamma-Murolene	1473	0.16%	
47.140	Unidentified	1474	0.05%	
47.315	alpha-Amorphene	1477	0.05%	
47.399	Germacrene D	1479	0.94%	
47.611	Unidentified	1482	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %	
47.830	Eremophilene	1485	0.11%	
47.890	beta-Selinene	1486	0.65%	
48.060	Unidentified	1489	0.02%	
48.303	Curzerene	1493	24.48%	
48.355	alpha-Selinene	1494	0.26%	
48.513	alpha-Murolene	1496	0.08%	
48.628	cis-alpha-Bisabolene	1498	0.13%	
48.783	delta-Amorphene	1501	0.17%	
48.923	Unidentified	1503	0.02%	
49.059	beta-Bisabolene	1505	0.03%	
49.370	gamma-Cadinene	1511	0.19%	
49.495	Unidentified	1513	0.01%	
49.675	delta-Cadinene	1516	0.24%	
50.039	Unidentified	1522	0.03%	
50.252	Unidentified	1526	0.01%	
50.511	Unidentified	1530	0.05%	
50.769	Selina-4(15),7(11)-diene	1534	0.14%	
51.045	Selina-3,7(11)-diene	1539	0.18%	
51.279	Unidentified	1543	0.01%	
51.447	Elemol	1546	0.13%	
51.723	Unidentified	1550	0.01%	
52.066	Germacrene B	1556	1.52%	
52.249	Unidentified	1559	0.03%	
52.597	Unidentified	1565	0.01%	
53.101	Furanoeudesma-1,4-diene	1574	0.62%	
53.415	Caryophyllene oxide	1579	0.03%	
53.645	Unidentified	1583	0.02%	
53.845	Unidentified	1586	0.03%	
54.055	Unidentified	1590	0.02%	
54.222	Furanoeudesma-1,3-diene	1593	0.05%	
54.377	cis-beta-Elementone	1595	0.12%	
54.497	Curzerenone isomer	1597	0.02%	
55.030	Humulene epoxide II	1607	0.04%	
55.170	Unidentified	1609	0.01%	
55.375	1,10-di-epi-Cubenol	1613	0.06%	
55.503	Unidentified	1615	0.05%	
55.695	Unidentified	1618	0.03%	
56.084	Furanoeudesma-1,3-diene	1625	35.84%	
56.516	Lindestrene	1633	11.42%	
56.685	Unidentified	1636	0.03%	



Ret. Time	Component	Ret. Idx.	Conc. %	
56.887	tau-Cadinol	1640	0.61%	
57.118	Unidentified	1644	0.03%	
57.274	Unidentified	1647	0.02%	
57.543	Unidentified	1651	0.3%	
57.615	alpha-Eudesmol	1653	0.09%	
57.786	Unidentified	1656	0.14%	
57.922	Furanodiene	1658	1.01%	
58.106	Germacrone isomer	1661	0.05%	
58.321	Intermedeol	1665	1.39%	
58.540	Unidentified	1669	0.04%	
58.673	Unidentified	1671	0.04%	
58.833	Unidentified	1674	0.02%	
58.950	Unidentified	1676	0.07%	
59.155	2-Methoxyfuranodiene A	1680	0.73%	
59.704	Germacrone	1690	0.64%	
60.015	Unidentified	1695	0.07%	
60.131	2-Methoxyfuranodiene B isomer	1697	0.04%	
60.360	Unidentified	1702	0.01%	
60.544	Unidentified	1705	0.06%	
60.834	2-Methoxyfuranodiene B	1710	6.28%	
60.966	Unidentified	1713	0.1%	
61.335	Unidentified	1720	0.04%	
61.438	Unidentified	1722	0.05%	
61.848	Unidentified	1729	0.01%	
62.085	Unidentified	1734	0.01%	
62.429	Unidentified	1740	0.02%	
62.605	Unidentified	1744	0.02%	
62.735	Unidentified	1746	0.01%	
63.014	Unidentified	1751	0.04%	
63.154	Unidentified	1754	0.04%	
63.561	Unidentified	1761	0.03%	
63.765	Unidentified	1765	0.1%	
63.898	Unidentified	1768	0.05%	
64.055	Unidentified	1771	0.03%	
64.543	Eudesmol analogue	1780	0.31%	
65.165	Unidentified	1791	0.01%	
65.307	Unidentified	1794	0.01%	
65.515	Unidentified	1798	0.02%	
65.729	Unidentified	1802	0.01%	
65.882	Unidentified	1805	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
66.145	Unidentified	1810	0.07%	
66.410	Unidentified	1815	0.02%	
66.526	Unidentified	1818	0.07%	
66.850	2-Acetoxyfuranodiene isomer	1824	0.11%	
66.996	Unidentified	1827	0.11%	
67.200	Unidentified	1831	0.11%	
67.349	Unidentified	1834	0.01%	
67.579	Unidentified	1838	0.04%	
67.605	Unidentified	1839	0.05%	
67.926	Unidentified	1845	0.03%	
68.855	Unidentified	1864	0.03%	
69.191	Unidentified	1870	0.01%	
69.332	Unidentified	1873	0.01%	
69.516	2-Acetoxyfuranodiene	1877	0.51%	
69.900	Unidentified	1884	0.05%	
70.061	Unidentified	1887	0.01%	
70.475	2-Hydroxyfuranodiene analogue	1895	0.06%	
70.811	Unidentified	1902	0.07%	
71.239	Unidentified	1911	0.02%	
71.941	Unidentified	1925	0.11%	
72.316	Unidentified	1933	0.01%	
73.900	Unidentified	1966	0.14%	
75.264	Unidentified	1994	0.01%	
75.459	Unidentified	1998	0.05%	
76.347	Unidentified	2017	0.02%	
79.447	Unidentified	2084	0.02%	

Total Identified Compounds **96.91 %**



TIC
17,540,151

