



Essential Oil University

GC/MS Report

Item	Lot
Cypress EO <i>Cupressus sempervirens</i>	7Q
Date	Analyst
1/24/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Cypress EO, meets the expected chemical profile for authentic essential oil of *Cupressus sempervirens*. 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:** Cypress EO**Botanical Name:** Cupressus sempervirens**Lot Number:** 7Q**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Greece**Analysis Date:** 1/24/2025**Manufacture Date:** September 2024

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

+16.08

1.47066

0.86815



Ret. Time	Component	Ret. Idx.	Conc. %	
5.283	Unidentified	733	0.01%	
5.442	Unidentified	740	0.01%	
5.925	Toluene	762	0.01%	IFRA
9.771	Unidentified	879	0.02%	
9.962	Unidentified	884	0.01%	
10.801	Bornylene	904	0.05%	
11.048	Unidentified	909	0.02%	
11.455	Unidentified	916	0.01%	
11.579	Hashishene	919	0.04%	
11.700	Tricyclene	921	0.18%	
11.854	alpha-Thujene	924	0.85%	
12.310	alpha-Pinene	932	46.98%	
13.054	alpha-Fenchene	945	0.52%	
13.150	Camphene	947	0.32%	
13.351	Thuja-2,4(10)-diene	951	0.03%	
14.328	Unidentified	969	0.09%	
14.412	Sabinene	970	0.86%	
14.711	beta-Pinene	976	2.1%	
15.195	Unidentified	984	0.01%	
15.345	Myrcene	987	2.08%	
15.968	Unidentified	998	0.01%	
16.407	alpha-Phellandrene	1005	0.11%	
16.590	delta-3-Carene	1008	25.09%	
16.917	1,4-Cineole	1013	0.04%	
17.058	alpha-Terpinene	1015	0.51%	
17.216	ortho-Cymene	1018	0.04%	
17.531	para-Cymene	1023	0.42%	
17.834	Limonene	1027	4.05%	IFRA
17.929	beta-Phellandrene	1029	0.3%	
18.914	trans-beta-Ocimene	1044	0.03%	
19.363	Unidentified	1051	0.04%	
19.697	gamma-Terpinene	1056	0.82%	
20.470	Unidentified	1068	0.02%	
20.604	Unidentified	1070	0.01%	
21.243	Isoterpinolene	1079	0.12%	
21.506	Terpinolene	1083	2.17%	
21.823	para-Cymenene	1088	0.08%	
22.445	Linalool	1098	0.48%	IFRA
23.094	Unidentified	1107	0.01%	
24.149	Unidentified	1123	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
24.296	Unidentified	1125	0.01%	
24.697	Unidentified	1131	0.01%	
25.241	Unidentified	1139	0.02%	
25.382	trans-para-Meth-2-en-1-ol	1141	0.02%	
25.576	Unidentified	1143	0.01%	
25.668	Camphor	1145	0.09%	
26.275	Karahanaenone	1154	0.2%	
26.397	Unidentified	1155	0.01%	
26.749	para-Mentha-1,5-dien-8-ol	1160	0.02%	
27.218	Umbellulone	1167	0.03%	
27.382	Borneol	1170	0.04%	
27.867	Unidentified	1177	0.01%	
27.999	Terpinen-4-ol	1179	2.23%	
28.419	para-Cymen-8-ol	1185	0.03%	
28.541	Unidentified	1186	0.02%	
28.996	alpha-Terpineol	1193	0.45%	
29.810	Verbenone	1205	0.01%	
30.025	Unidentified	1208	0.01%	
31.860	Unidentified	1235	0.01%	
31.979	Carvacryl methyl ether	1237	0.02%	
32.443	Unidentified	1244	0.01%	
32.735	Linalyl acetate	1248	0.01%	
33.508	Unidentified	1259	0.03%	
35.057	Bornyl acetate	1282	0.24%	
35.228	Unidentified	1284	0.01%	
35.757	Unidentified	1292	0.34%	
36.199	Unidentified	1299	0.01%	
36.570	Unidentified	1304	0.01%	
36.819	Unidentified	1308	0.01%	
38.330	gamma-Terpinyl acetate	1331	0.33%	
39.198	alpha-Terpinyl acetate	1344	2.2%	
39.950	Unidentified	1356	0.01%	
40.698	alpha-Ylangene	1367	0.01%	
41.112	alpha-Copaene	1374	0.08%	
41.520	7-epi-Sesquithujene	1380	0.01%	
41.622	Unidentified	1381	0.01%	
41.906	Unidentified	1386	0.01%	
42.008	beta-Elemene	1387	0.01%	
43.653	alpha-Cedrene	1413	0.54%	IFRA
43.907	beta-Caryophyllene	1417	0.3%	



Ret. Time	Component	Ret. Idx.	Conc. %	
44.187	beta-Cedrene	1421	0.13%	IFRA
44.560	beta-Copaene	1427	0.04%	
44.690	Unidentified	1430	0%	
44.876	cis-Thujopsene	1432	0.02%	
45.552	trans-Murrola-3,5-diene	1443	0.04%	
45.747	Unidentified	1446	0.02%	
46.150	alpha-Humulene	1453	0.22%	
46.418	cis-Murrola-4(14),5-diene	1457	0.02%	
46.567	cis-Cadina-1(6),4-diene	1460	0.09%	
46.685	Unidentified	1461	0.01%	
47.190	trans-Cadina-1(6),4-diene	1470	0.05%	
47.371	gamma-Murolene	1472	0.31%	
47.630	Unidentified	1477	0.05%	
47.744	Germacrene D	1478	0.78%	
48.450	trans-Murrola-4(14),5-diene	1490	0.11%	
48.613	Unidentified	1492	0.02%	
48.706	Epizonarene	1494	0.08%	
48.832	alpha-Murolene	1496	0.15%	
49.105	delta-Cadinene	1500	0.03%	
49.590	alpha-Alaskene	1508	0.09%	
49.707	gamma-Cadinene	1510	0.14%	
50.019	delta-Cadinene	1516	0.58%	
50.292	Unidentified	1520	0.01%	
50.862	trans-Cadina-1,4-diene	1530	0.02%	
51.117	alpha-Cadinene	1534	0.02%	
51.366	Unidentified	1538	0.01%	
53.766	Unidentified	1579	0.01%	
55.314	Cedrol	1605	0.91%	
56.116	Unidentified	1619	0.01%	
56.684	Unidentified	1630	0.01%	
57.978	Unidentified	1653	0.02%	
58.627	Unidentified	1664	0.01%	
64.075	Unidentified	1764	0.02%	
75.634	Unidentified	1993	0.01%	

Total Identified Compounds **98.98 %**

