



Essential Oil University

GC/MS Report

Item	Lot
Cypress EO <i>Cupressus sempervirens</i>	7A
Date	Analyst
6/16/2025	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:** 7A**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Greece**Analysis Date:** 6/16/2025**Manufacture Date:** March 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

+16.52

1.47044

0.86597



Ret. Time	Component	Ret. Idx.	Conc. %	
5.822	Toluene	763	0.01%	IFRA
8.702	Unidentified	856	0.02%	
9.595	Unidentified	879	0.01%	
10.604	Bornylene	904	0.04%	
10.842	Unidentified	909	0.01%	
11.374	Hashishene	919	0.01%	
11.491	Tricyclene	921	0.13%	
11.643	alpha-Thujene	924	0.57%	
12.124	alpha-Pinene	932	51.13%	
12.829	alpha-Fenchene	945	0.49%	
12.923	Camphene	947	0.21%	
13.120	Thuja-2,4(10)-diene	951	0.02%	
14.088	meta-Cymene	969	0.06%	
14.169	Sabinene	970	0.5%	
14.469	beta-Pinene	976	1.82%	
15.093	Myrcene	987	1.68%	
15.701	delta-2-Carene	998	0.01%	
15.886	alpha-Phellandrene isomer	1001	0.01%	
16.150	alpha-Phellandrene	1005	0.1%	
16.348	delta-3-Carene	1009	25.04%	
16.652	1,4-Cineole	1013	0.02%	
16.789	alpha-Terpinene	1015	0.52%	
16.950	ortho-Cymene	1018	0.03%	
17.261	para-Cymene	1023	0.35%	IFRA
17.572	Limonene	1027	3.6%	
17.667	beta-Phellandrene	1029	0.27%	
17.735	1,8-Cineole	1030	0.01%	
17.961	cis-beta-Ocimene	1033	0.01%	
18.636	trans-beta-Ocimene	1044	0.03%	
19.074	Unidentified	1051	0.04%	
19.407	gamma-Terpinene	1056	0.7%	
20.207	Unidentified	1068	0.01%	
20.932	Terpinolene isomer	1079	0.12%	
21.200	Terpinolene	1083	1.99%	
21.517	para-Cymenene	1088	0.07%	
22.142	Linalool	1098	0.39%	IFRA
23.458	endo-Fenchol	1117	0.01%	
24.920	trans-Pinocarveol	1138	0.02%	
25.049	trans-para-Menth-2-en-1-ol	1140	0.02%	
25.355	Camphor	1145	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %	
25.952	Karahanaenone	1153	0.16%	
26.420	alpha-Phellandrene-8-ol	1160	0.02%	
26.880	Umbellulone	1167	0.08%	
27.060	Borneol	1170	0.03%	
27.539	Unidentified	1177	0.01%	
27.676	Terpinen-4-ol	1179	1.99%	
28.101	para-Cymen-8-ol	1185	0.02%	
28.214	Unidentified	1186	0.02%	
28.671	alpha-Terpineol	1193	0.48%	
29.467	Verbenone	1205	0.01%	
31.631	Carvacryl methyl ether	1236	0.02%	
32.387	Linalyl acetate	1248	0.02%	
33.162	Unidentified	1259	0.02%	
34.707	Bornyl acetate	1282	0.07%	
35.116	Thymol	1288	0.01%	
35.403	Dihydrocarvyl acetate	1292	0.26%	
35.520	Terpin-1-en-4-yl acetate	1294	0.01%	
36.718	Deca-(2Z,4Z)-dienol	1312	0.01%	
37.966	gamma-Terpinyl acetate	1331	0.3%	
38.840	alpha-Terpinyl acetate	1344	1.75%	
40.309	alpha-Ylangene	1367	0.01%	
40.728	alpha-Copaene	1373	0.05%	
41.623	beta-Elemene	1387	0.01%	
43.265	beta-Funebrene	1412	0.22%	
43.270	alpha-Cedrene	1412	0.28%	IFRA
43.516	beta-Caryophyllene	1416	0.25%	
43.794	beta-Cedrene	1421	0.13%	IFRA
43.937	trans-Cadina-1,4-diene	1423	0.01%	
44.167	beta-Copaene	1427	0.04%	
44.479	cis-Thujopsene	1432	0.01%	
45.162	Cadina-3,5-diene	1443	0.06%	
45.362	trans-Muurolo-3,5-diene	1446	0.02%	
45.762	alpha-Humulene	1452	0.18%	
46.023	cis-Cadina-1(6),4-diene	1456	0.03%	
46.178	cis-Muurolo-4(14),5-diene	1459	0.12%	
46.290	alpha-Acoradiene	1461	0.01%	
46.799	trans-Cadina-1(6),4-diene	1469	0.05%	
46.982	gamma-Muurolo-4(14),5-diene	1472	0.26%	
47.250	alpha-Amorphene	1476	0.04%	
47.353	Germacrene D	1478	0.67%	



Ret. Time	Component	Ret. Idx.	Conc. %	
48.065	trans-Murrola-4(14),5-diene	1489	0.09%	
48.315	Epizonarene	1493	0.12%	
48.441	alpha-Muurolene	1495	0.13%	
48.701	delta-Amorphene	1499	0.03%	
49.193	alpha-Alaskene	1508	0.07%	
49.313	gamma-Cadinene	1510	0.12%	
49.624	delta-Cadinene	1515	0.44%	
49.730	trans-Calamenene	1517	0.03%	
49.894	Zonarene	1520	0.02%	
49.968	Unidentified	1521	0.01%	
50.471	trans-Cadina-1,4-diene	1529	0.02%	
50.722	alpha-Cadinene	1533	0.02%	
50.965	alpha-Calacorene	1538	0.01%	
54.922	Cedrol	1605	0.89%	
55.321	Unidentified	1612	0.01%	
55.707	epi-Cedrol	1619	0.02%	
56.286	alpha-Acorenol	1629	0.02%	
56.924	epia-alpha-Muurolol	1640	0.02%	
57.570	Cadin-4-en-10-ol	1652	0.04%	
75.194	Unidentified	1992	0.01%	

Total Identified Compounds **99.79 %**

