



Essential Oil University

GC/MS Report

Item	Lot
Pink Pepper EO Tree <i>Schinus molle</i>	0P
Date	Analyst
4/11/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Pink Pepper EO Tree, meets the expected chemical profile for authentic essential oil of *Schinus molle*. 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:** Pink Pepper EO Tree**Botanical Name:** Schinus molle**Lot Number:** 0P**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Kenya**Analysis Date:** 4/11/2025**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

+33.72

1.47652

0.84739



Ret. Time	Component	Ret. Idx.	Conc. %	
6.215	Toluene	758	0.01%	IFRA
12.269	Tricyclene	918	0.02%	
12.418	alpha-Thujene	921	0.53%	
12.852	alpha-Pinene	928	8.17%	
13.767	Camphene	945	0.15%	
14.086	Unidentified	950	0.01%	
14.707	Unidentified	961	0.03%	
15.061	Sabinene	967	4.92%	
15.381	beta-Pinene	973	6.74%	
15.567	Unidentified	976	0.02%	
15.685	Camphene isomer	978	0.12%	
15.881	para-Menth-3-ene	982	0.02%	
16.043	Myrcene	985	21.49%	
16.563	Ethyl hexanoate	994	0.01%	
16.718	para-Menth-1-ene	996	0.05%	
16.938	Pseudolimonene	1000	0.95%	
17.120	alpha-Phellandrene	1003	16.96%	
17.238	delta-3-Carene	1005	0.04%	
17.747	alpha-Terpinene	1012	0.32%	
18.233	para-Cymene	1020	2.01%	
18.575	Limonene	1025	13.89%	IFRA
18.675	beta-Phellandrene	1026	5.38%	
19.622	trans-beta-Ocimene	1041	0.02%	
20.429	gamma-Terpinene	1053	0.61%	
21.223	trans-Sabinene hydrate	1065	0.02%	
22.253	Terpinolene	1080	0.17%	
23.194	Linalool	1094	0.06%	IFRA
23.299	trans-Sabinene hydrate	1096	0.02%	
24.827	Methyl octanoate	1118	0.6%	
24.905	cis-para-Menth-2-en-1-ol	1119	0.04%	
26.154	trans-para-Menth-2-en-1-ol	1137	0.03%	
27.747	Octanoic acid	1160	0.01%	
28.077	Unidentified	1164	0.02%	
28.343	Unidentified	1168	0.03%	
28.819	Terpinen-4-ol	1175	0.66%	
29.233	Cryptone	1181	0.02%	
29.608	Methyl 6-methyloctanoate analogue	1186	0.04%	
29.825	alpha-Terpineol	1189	0.05%	
29.934	cis-Piperitol	1191	0.02%	
30.365	alpha-Phellandrene epoxide	1197	0.15%	



Ret. Time	Component	Ret. Idx.	Conc. %	
30.778	trans-Piperitol	1203	0.01%	
31.795	Nerol	1218	0.03%	
31.957	Citronellol	1220	0.04%	IFRA
32.908	alpha-Phellandrene epoxide	1234	0.02%	
33.510	Unidentified	1243	0.01%	
33.574	Geraniol	1244	0.02%	IFRA
34.100	Methyl citronellate	1251	0.03%	
35.479	Phellandral	1271	0.01%	
35.941	Bornyl acetate	1278	0.07%	
36.806	Carvacrol	1291	0.07%	
38.271	Unidentified	1312	0.02%	
38.389	Methyl geranate	1314	0.02%	
39.147	delta-Elemene	1326	0.04%	
40.144	alpha-Cubebene	1341	0.05%	
40.266	Citronellyl acetate	1343	0.07%	IFRA
40.844	Neryl acetate	1351	0.07%	
42.032	alpha-Copaene	1369	0.09%	
42.132	Geranyl acetate	1371	0.02%	
42.815	beta-Cubebene	1381	0.02%	
42.915	beta-Elemene	1383	0.23%	
43.055	Unidentified	1385	0.01%	
44.066	alpha-Gurjunene	1400	0.36%	
44.853	beta-Caryophyllene	1413	1.27%	
45.491	beta-Copaene	1423	0.02%	
46.032	Aromadendrene	1431	0.09%	
46.486	cis-Murrola-4(14),5-diene	1439	0.02%	
46.694	Cadina-3,5-diene	1442	0.05%	
46.917	6,9-Guanidiene	1446	0.02%	
47.105	alpha-Humulene	1449	0.28%	
47.377	Alloaromodendrene	1453	0.13%	
47.507	cis-Muurolo-4(14),5-diene	1455	0.04%	
48.129	trans-Cadina-1(6),4-diene	1465	0.1%	
48.305	gamma-Muuroloene	1468	0.2%	
48.693	Germacrene D	1474	0.54%	
48.948	Unidentified	1478	0.01%	
49.179	beta-Selinene	1482	0.15%	
49.354	gamma-Amorphene	1484	0.15%	
49.589	Bicyclogermacrene	1488	0.88%	
49.767	alpha-Muuroloene	1491	0.52%	
50.481	Unidentified	1502	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %
50.652	gamma-Cadinene	1505	0.62%
50.773	Cubebol	1507	0.03%
50.962	delta-Cadinene	1510	3%
51.240	Zonarene	1515	0.05%
51.338	Citronellyl butyrate	1517	0.09%
51.801	trans-Cadina-1,4-diene	1525	0.11%
52.056	alpha-Cadinene	1529	0.1%
52.309	alpha-Calacorene	1533	0.01%
52.723	alpha-Elemol	1540	0.05%
52.921	Unidentified	1543	0.02%
53.130	Unidentified	1547	0.03%
53.169	Geranyl butyrate	1547	0.05%
54.064	Palustrol	1562	0.11%
54.417	Spathulenol	1568	0.71%
54.753	Caryophyllene oxide	1574	0.07%
54.994	Gleenol	1578	0.05%
55.469	Viridiflorol	1586	0.16%
56.090	Unidentified	1596	0.08%
56.158	Unidentified	1598	0.5%
56.674	1,10-di-epi-Cubenol	1607	0.03%
56.819	Unidentified	1609	0.01%
57.385	Epicubenol	1619	0.07%
57.615	Dehydroxy isocalamendiol	1623	0.1%
57.951	Unidentified	1629	0.02%
58.185	epi-alpha-Cadinol	1633	0.29%
58.289	epi-alpha-Muurolol	1635	0.48%
58.431	tau-Cadinol	1638	0.16%
58.936	Cadin-4-en-10-ol	1647	1.06%
59.115	Unidentified	1650	0.02%
59.427	Unidentified	1655	0.02%
61.106	Shyobunol	1685	0.41%
61.805	Unidentified	1697	0.01%
62.761	Geranyl hexanoate isomer	1715	0.02%
63.932	Isocalamendiol	1737	0.07%
64.083	Geranyl hexanoate	1739	0.02%
65.219	Unidentified	1760	0.12%
67.310	Unidentified	1799	0.02%
68.251	Unidentified	1818	0.03%
68.612	Unidentified	1825	0.01%
71.476	Camphorene isomer	1880	0.02%



Ret. Time	Component	Ret. Idx.	Conc. %	
72.565	Camphorene isomer	1902	0.01%	
74.226	meta-Camphorene	1936	0.73%	
75.956	para-Camphorene	1971	0.24%	

Total Identified Compounds **98.95 %**

