



Essential Oil University

GC/MS Report

Item	Lot
Pink Pepper EO Tree <i>Schinus molle</i>	5G
Date	Analyst
1/17/2025	Dr. Robert S. Pappas

© Copyright 2025 by Essential Oil University. All rights reserved. Any publishing, copying, use, dissemination, or distribution of this report, including online, without the express written permission of Essential Oil University is strictly prohibited.

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:** 5G**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Kenya**Analysis Date:** 1/17/2025**Manufacture Date:** December 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

+34.12

1.47644

0.84697



Ret. Time	Component	Ret. Idx.	Conc. %	
5.811	Toluene	762	0.01%	IFRA
11.365	Hashishene	918	0%	
11.479	Tricyclene	921	0.02%	
11.629	alpha-Thujene	923	0.5%	
12.038	alpha-Pinene	931	8.15%	
12.913	Camphene	947	0.14%	
13.237	Unidentified	953	0.01%	
13.835	Unidentified	964	0.03%	
14.169	Sabinene	970	4.68%	
14.470	beta-Pinene	976	6.5%	
14.674	Unidentified	979	0.02%	
14.775	Camphene isomer	981	0.11%	
14.956	para-Menth-3-ene	985	0.01%	
15.129	Myrcene	988	23.73%	
15.631	Ethyl hexanoate	997	0.02%	
15.768	para-Menth-1-ene	999	0.04%	
15.995	Pseudolimonene	1003	0.92%	
16.168	alpha-Phellandrene	1006	18.34%	
16.283	delta-3-Carene	1008	0.03%	
16.787	alpha-Terpinene	1015	0.3%	
17.269	para-Cymene	1023	1.66%	
17.401	Unidentified	1025	0.01%	
17.592	Limonene	1028	13.96%	IFRA
17.685	beta-Phellandrene	1029	5.15%	
18.628	trans-beta-Ocimene	1044	0.01%	
19.410	gamma-Terpinene	1056	0.5%	
20.173	trans-4-Thujanol	1067	0.03%	
21.197	Terpinolene	1083	0.15%	
22.070	Perillene	1097	0.01%	
22.146	Linalool	1098	0.04%	IFRA
22.217	trans-Sabinene hydrate	1099	0.02%	
23.761	Methyl octanoate	1122	0.56%	
23.825	cis-para-Menth-2-en-1-ol	1122	0.03%	
25.037	trans-para-Menth-2-en-1-ol	1140	0.03%	
26.407	Pinocarpone	1160	0.01%	
26.938	Unidentified	1168	0.02%	
27.209	Unidentified	1172	0.02%	
27.669	Terpinen-4-ol	1178	0.58%	
28.099	Cryptone	1185	0.02%	
28.480	Methyl 6-methyloctanoate	1190	0.03%	



Ret. Time	Component	Ret. Idx.	Conc. %	
28.678	alpha-Terpineol	1193	0.06%	
28.786	Unidentified	1195	0.02%	
29.212	alpha-Phellandrene epoxide	1201	0.15%	
29.624	trans-Piperitol	1207	0.01%	
30.088	Unidentified	1214	0.01%	
30.656	Nerol	1222	0.01%	
30.816	Citronellol	1224	0.01%	IFRA
31.746	alpha-Phellandrene epoxide isomer	1238	0.02%	
32.434	Unidentified	1248	0.01%	
32.937	Methyl citronellate	1256	0.02%	
34.281	Phellandral	1275	0.01%	
34.718	Bornyl acetate	1282	0.06%	
35.653	Carvacrol	1296	0.06%	
37.070	Unidentified	1317	0.01%	
37.202	Methyl geranate	1319	0.03%	
37.880	delta-Elemene	1329	0.05%	
38.874	alpha-Cubebene	1345	0.05%	
39.060	Citronellyl acetate	1347	0.07%	IFRA
39.636	Neryl acetate	1356	0.08%	
40.741	alpha-Copaene	1373	0.08%	
40.924	Geranyl acetate	1376	0.02%	
41.529	beta-Cubebene	1385	0.03%	
41.635	beta-Elemene	1387	0.21%	
42.753	alpha-Gurjunene	1404	0.29%	
43.530	beta-Caryophyllene	1416	1.12%	
44.179	beta-Copaene	1427	0.02%	
44.715	Aromadendrene	1435	0.07%	
45.175	trans-Muurolo-3,5-diene	1443	0.03%	
45.373	Cadina-3,5-diene	1446	0.07%	
45.622	Valerna-4,7(11)-diene	1450	0.01%	
45.775	alpha-Humulene	1452	0.25%	
46.047	Alloaromadendrene	1457	0.11%	
46.186	cis-Muurolo-4(14),5-diene	1459	0.04%	
46.812	Cadina-1(6),4-diene	1469	0.08%	
46.993	gamma-Muuroloene	1472	0.16%	
47.366	Germacrene D	1478	0.46%	
47.613	Unidentified	1482	0.02%	
47.842	beta-Selinene	1486	0.12%	
48.019	gamma-Amorphene	1488	0.12%	
48.254	Bicyclogermacrene	1492	0.74%	



Ret. Time	Component	Ret. Idx.	Conc. %
48.455	alpha-Muurolene	1495	0.41%
49.327	gamma-Cadinene	1510	0.49%
49.450	Cubebol	1512	0.03%
49.645	delta-Cadinene	1515	2.42%
49.905	Unidentified	1520	0.02%
49.995	Unidentified	1521	0.03%
50.080	Unidentified	1523	0.03%
50.495	trans-Cadina-1,4-diene	1530	0.09%
50.733	alpha-Cadinene	1534	0.08%
51.409	Elemol	1545	0.05%
51.577	Unidentified	1548	0.02%
51.745	Unidentified	1551	0.02%
51.888	Geranyl butyrate	1553	0.05%
52.711	Palustrol	1567	0.09%
53.073	Spathulenol	1573	0.62%
53.389	Unidentified	1579	0.07%
53.694	Unidentified	1584	0.05%
54.111	Viridiflorol	1591	0.13%
54.710	Unidentified	1601	0.07%
54.801	Unidentified	1603	0.44%
55.322	1,10-di-epi-Cubenol	1612	0.02%
55.482	Unidentified	1615	0.01%
56.034	1-Epicubenol	1624	0.06%
56.262	Dehydroxy-isocalamendiol analogue	1629	0.09%
56.574	Humulane-1,6-dien-3-ol	1634	0.02%
56.841	epi-alpha-Cadinol	1639	0.28%
56.945	epi-alpha-Muurolol	1641	0.41%
57.091	delta-Cadinol	1643	0.12%
57.588	alpha-Cadinol	1652	0.9%
58.071	Unidentified	1661	0.02%
59.727	Shyobunol	1690	0.42%
60.447	Unidentified	1703	0.04%
61.434	Neryl hexanoate	1722	0.02%
62.558	Unidentified	1743	0.07%
62.749	Geranyl hexanoate	1746	0.02%
63.445	Unidentified	1759	0.06%
63.610	Unidentified	1762	0.03%
63.835	Unidentified	1767	0.12%
66.840	Unidentified	1824	0.03%
67.206	Unidentified	1831	0.01%



Ret. Time	Component	Ret. Idx.	Conc. %	
70.089	Camphorene isomer	1888	0.02%	
71.176	Camphorene isomer	1910	0.01%	
72.822	meta-Camphorene	1944	0.61%	
74.549	para-Camphorene	1979	0.19%	

Total Identified Compounds **98.66 %**

