



Essential Oil University

GC/MS Report

Item	Lot
Pink Pepper EO Tree <i>Schinus molle</i>	2G
Date	Analyst
12/11/2025	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: 2G
Production Method: Steam distilled

Sample Type: EO - Single
Country of Origin: Kenya
Analysis Date: 12/11/2025
Manufacture Date: May 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

+33.60
1.47579
0.84335



Ret. Time	Component	Ret. Idx.	Conc. %	
5.812	Toluene	762	0.01%	PROP. 65 IFRA
11.469	Tricyclene	920	0.02%	
11.618	alpha-Thujene	923	0.34%	
12.028	alpha-Pinene	931	8.59%	ALLERGEN
12.899	Camphene	947	0.11%	
13.224	Unidentified	953	0.01%	
13.822	Unidentified	964	0.02%	
14.155	Sabinene	970	4.42%	
14.457	beta-Pinene	975	6.76%	ALLERGEN
14.659	Unidentified	979	0.02%	
14.758	Camphene isomer	981	0.12%	
14.938	para-Menth-3-ene	984	0.02%	
15.128	Myrcene	988	25.67%	PROP. 65
15.619	Ethyl hexanoate	997	0.01%	
15.751	para-Menth-1-ene	999	0.04%	
15.977	Pseudolimonene	1003	0.86%	
16.159	alpha-Phellandrene	1006	17.66%	
16.268	delta-3-Carene	1007	0.04%	
16.765	alpha-Terpinene	1015	0.19%	ALLERGEN
17.249	para-Cymene	1022	1.19%	
17.578	Limonene	1027	13.2%	ALLERGEN IFRA
17.670	beta-Phellandrene	1029	4.83%	
18.608	trans-beta-Ocimene	1043	0.01%	
19.385	gamma-Terpinene	1055	0.37%	
20.153	trans-Sabinene hydrate	1067	0.02%	
21.170	Terpinolene	1083	0.12%	ALLERGEN
22.120	Linalool	1097	0.04%	ALLERGEN IFRA
22.210	cis-Sabinene hydrate	1099	0.01%	
23.734	Methyl octanoate	1121	0.62%	
25.014	cis-para-Menth-2-en-1-ol	1140	0.02%	
27.641	Terpinen-4-ol	1178	0.37%	
28.072	Cryptone	1184	0.01%	
28.449	Methyl 6-methyloctanoate	1190	0.04%	
28.648	alpha-Terpineol	1193	0.03%	ALLERGEN
28.759	Unidentified	1194	0%	
29.183	alpha-Phellandrene epoxide	1200	0.08%	
31.716	alpha-Phellandrene epoxide isomer	1238	0.01%	
32.401	Unidentified	1248	0.01%	
32.901	Methyl citronellate	1255	0.03%	
34.245	Phellandral	1275	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
34.684	Bornyl acetate	1281	0.04%	
35.633	Carvacrol	1295	0.03%	
37.035	Unidentified	1317	0.01%	
37.162	Methyl geranate	1318	0.03%	
37.840	delta-Elemene	1329	0.07%	
38.832	alpha-Cubebene	1344	0.06%	
39.023	Citronellyl acetate	1347	0.06%	IFRA
39.601	Neryl acetate	1356	0.06%	
40.700	alpha-Copaene	1372	0.09%	
40.881	Geranyl acetate	1375	0.03%	ALLERGEN
41.110	Elemene isomer	1379	0.01%	
41.525	beta-Cubebene	1385	0.04%	
41.594	beta-Elemene	1386	0.3%	
42.712	alpha.Gurjunene	1403	0.31%	
43.491	beta-Caryophyllene	1416	1.13%	ALLERGEN
44.135	beta-Copaene	1426	0.03%	
44.671	Aromadendrene	1435	0.09%	
45.132	cis-Murrola-4(14),5-diene	1442	0.03%	
45.333	Cadina-3,5-diene	1445	0.08%	
45.574	Valerena-4,7(11)-diene	1449	0.02%	
45.731	alpha-Humulene	1452	0.26%	
46.005	Alloaromodendrene	1456	0.12%	
46.145	trans-Muurolo-4(14),5-diene	1458	0.05%	
46.769	trans-Cadina-1(6),4-diene	1468	0.09%	
46.953	gamma-Muuroloene	1471	0.18%	
47.322	Germacrene D	1477	0.51%	
47.573	cis-Cadina-1(6),4-diene	1481	0.02%	
47.803	beta-Selinene	1485	0.09%	
47.979	gamma-Amorphene	1488	0.14%	
48.215	Bicyclogermacrene	1492	1.14%	
48.416	alpha-Muuroloene	1495	0.48%	
49.288	gamma-Cadinene	1509	0.58%	
49.405	Cubebol	1511	0.04%	
49.605	delta-Cadinene	1515	2.78%	
49.870	Unidentified	1519	0.04%	
49.956	Unidentified	1521	0.07%	
50.456	trans-Cadina-1,4-diene	1529	0.1%	
50.691	alpha-Cadinene	1533	0.1%	
51.373	Elemol	1545	0.08%	
51.537	Unidentified	1547	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %
51.847	Geranyl butyrate	1553	0.06%
51.978	Unidentified	1555	0.02%
52.668	Palustrol	1566	0.09%
53.034	Spathulenol	1573	0.63%
53.350	Caryophyllene oxide	1578	0.04%
53.576	Unidentified	1582	0.02%
53.653	Unidentified	1583	0.02%
54.069	Viridiflorol	1590	0.13%
54.663	Unidentified	1600	0.08%
54.755	Unidentified	1602	0.14%
55.290	1,10-di-epi-Cubenol	1611	0.02%
55.994	Epicubenol	1624	0.05%
56.225	Unidentified	1628	0.05%
56.534	Humulane-1,6-dien-3-ol	1633	0.01%
56.804	tau-Cadinol	1638	0.27%
56.912	epi-alpha-Cadinol	1640	0.41%
57.052	delta-Cadinol	1643	0.11%
57.549	alpha-Cadinol	1651	0.9%
59.685	Shyobunol	1689	0.56%
61.388	Geranyl hexanoate	1721	0.01%
62.509	Unidentified	1742	0.02%
62.705	Geraniol hexanoate	1745	0.01%
63.792	Unidentified	1766	0.13%
65.854	Unidentified	1805	0.02%
66.795	Unidentified	1823	0.02%
70.031	Camphorene isomer	1887	0.01%
71.111	Camphorene isomer	1908	0.02%
72.769	meta-Camphorene	1942	0.63%
74.496	para-Camphorene	1978	0.19%

Total Identified Compounds **99.29 %**



TIC
17,355,872

