



Essential Oil University

GC/MS Report

Item	Lot
Orange EO CP Wild <i>Citrus sinensis</i>	6N
Date	Analyst
10/15/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Orange EO CP Wild, meets the expected chemical profile for authentic essential oil of *Citrus sinensis*. 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:** Orange EO CP Wild**Botanical Name:** Citrus sinensis**Lot Number:** 6N**Production Method:** Cold Press**Sample Type:** EO - Single**Country of Origin:** Dominican Republic**Analysis Date:** 10/15/2025**Manufacture Date:** September 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

+95.44

1.47344

0.84845



Ret. Time	Component	Ret. Idx.	Conc. %	
7.343	Hexan-2-ol	804	0%	
12.670	alpha-Pinene	925	0.61%	ALLERGEN
14.869	Sabinene	964	0.32%	
15.179	beta-Pinene	969	0.1%	ALLERGEN
15.807	Myrcene	980	1.99%	PROP. 65
16.659	Octanal	995	0.24%	
16.880	alpha-Phellandrene	999	0.05%	
17.028	delta-3-Carene	1002	0.19%	
18.037	para-Cymene	1017	0.02%	
18.442	Limonene	1023	93.76%	ALLERGEN IFRA
18.500	beta-Phellandrene	1024	0.28%	
18.750	cis-beta-Ocimene	1027	0%	
19.425	trans-beta-Ocimene	1038	0.01%	
20.221	gamma-Terpinene	1050	0.1%	
21.036	1-Octanol	1062	0.02%	
22.038	Terpinolene	1077	0.03%	ALLERGEN
22.980	Linalool	1091	0.65%	ALLERGEN IFRA
23.354	Nonanal	1097	0.03%	
24.520	trans-para-Mentha-2,8-dienol	1113	0.01%	
25.283	cis-Limonene oxide	1124	0.02%	
25.515	cis-para-Mentha-2,8-dien-1-ol	1128	0%	
25.578	trans-Limonene oxide	1129	0.02%	
26.610	Citronellal	1143	0.03%	IFRA
28.597	Terpinen-4-ol	1172	0.03%	
29.596	alpha-Terpineol	1186	0.1%	ALLERGEN
30.372	Decanal	1197	0.59%	
30.670	Octyl acetate	1201	0.03%	
31.227	trans-Carveol	1210	0.01%	
31.734	Citronellol	1217	0.15%	ALLERGEN IFRA
32.533	Neral	1229	0.03%	ALLERGEN IFRA
32.942	Carvone	1235	0.01%	ALLERGEN IFRA
33.334	Linalyl acetate	1240	0.02%	ALLERGEN
34.554	Geranial	1258	0.06%	ALLERGEN IFRA
34.915	1-Decanol	1263	0%	
35.093	Perillaldehyde	1266	0.01%	IFRA
36.034	Thymol	1279	0.1%	
37.315	Undecanal	1298	0.01%	
40.614	Neryl acetate	1348	0.01%	
41.788	alpha-Copaene	1366	0.03%	
42.579	beta-Cubebene	1378	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %	
42.690	beta-Elemene	1379	0.01%	
43.973	Dodecanal	1399	0.04%	
44.602	beta-Caryophyllene	1409	0.02%	ALLERGEN
45.246	beta-Copaene	1419	0.02%	
48.442	Germacrene D	1470	0.01%	
48.672	Aristolochene	1473	0.03%	
49.154	Valencene	1481	0.13%	
50.710	delta-Cadinene	1506	0.03%	

Total Identified Compounds **99.98 %**



TIC
45,326,798

