



Essential Oil University

GC/MS Report

Item	Lot
Orange EO CP Sweet, Pure & Natural <i>Citrus sinensis</i>	5A
Date	Analyst
2/19/2026	Dr. Robert S. Pappas

© Copyright 2026 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, Orange EO CP Sweet, Pure & Natural, 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 Sweet, Pure & Natural
Botanical Name: Citrus sinensis
Lot Number: 5A
Production Method: Cold Press

Sample Type: EO - Single
Country of Origin: Italy
Analysis Date: 2/19/2026
Manufacture Date: January 2026

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	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	+96.52
Refractive Index @20°C	USP[831]	1.47289
Specific Gravity @20°C	USP[841]	0.84682

Ret. Time	Component	Ret. Idx.	Conc. %	
12.562	alpha-Pinene	923	0.6%	ALLERGEN
14.731	Sabinene	961	0.25%	
15.033	beta-Pinene	967	0.06%	ALLERGEN
15.660	Myrcene	978	1.71%	PROP. 65
16.498	Octanal	993	0.39%	
16.717	alpha-Phellandrene	996	0.03%	
16.870	delta-3-Carene	999	0.18%	
17.856	para-Cymene	1014	0.05%	
18.198	Limonene	1019	95.12%	ALLERGEN IFRA
18.276	beta-Phellandrene	1020	0.21%	
19.233	trans-beta-Ocimene	1035	0.01%	
20.024	gamma-Terpinene	1047	0.04%	
20.791	1-Octanol	1058	0.04%	
21.829	Terpinolene	1074	0.02%	ALLERGEN
22.762	Linalool	1088	0.33%	ALLERGEN IFRA
23.123	Nonanal	1093	0.03%	
24.268	trans-para-Mentha-2,8-dienol	1110	0.02%	
25.026	cis-Limonene oxide	1121	0.04%	
25.265	Unidentified	1124	0.02%	
25.325	trans-Limonene oxide	1125	0.03%	
26.365	Citronellal	1140	0.03%	IFRA
29.325	alpha-Terpineol	1182	0.12%	ALLERGEN
30.115	Decanal	1194	0.37%	
30.396	Octyl acetate	1198	0.02%	
30.943	trans-Carveol	1205	0.01%	
32.261	Neral	1225	0.03%	ALLERGEN IFRA
32.647	Carvone	1230	0.04%	ALLERGEN IFRA
33.408	Unidentified	1241	0.01%	
34.273	Geranial	1254	0.05%	ALLERGEN IFRA
34.796	Perillaldehyde	1261	0.01%	IFRA
41.479	alpha-Copaene	1361	0.02%	
42.273	beta-Cubebene	1373	0.01%	
42.380	Unidentified	1375	0%	
43.664	Dodecanal	1394	0.03%	
44.268	beta-Caryophyllene	1403	0.01%	ALLERGEN
44.929	beta-Copaene	1414	0.02%	
48.105	Germacrene D	1464	0.01%	
48.818	Valencene	1476	0.02%	
50.372	delta-Cadinene	1501	0.02%	

Total Identified Compounds **99.98 %**



TIC
39,258,550

