



Essential Oil University

GC/MS Report

Item	Lot
NOP Orange EO CP Sweet <i>Citrus sinensis</i>	0P
Date	Analyst
10/14/2025	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, NOP Orange EO CP Sweet, 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:** NOP Orange EO CP Sweet**Botanical Name:** Citrus sinensis**Lot Number:** 0P**Production Method:** Cold Press**Sample Type:** EO - Certified Organics**Country of Origin:** USA**Analysis Date:** 10/14/2025**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

+98.60

1.47319

0.84610



Ret. Time	Component	Ret. Idx.	Conc. %	
12.018	alpha-Pinene	930	0.57%	ALLERGEN
14.150	Sabinene	970	0.27%	
14.449	beta-Pinene	975	0.02%	ALLERGEN
15.073	Myrcene	987	1.82%	PROP. 65
15.923	Octanal	1002	0.22%	
16.123	alpha-Phellandrene	1005	0.04%	
16.259	delta-3-Carene	1007	0.09%	
17.599	Limonene	1028	95.92%	ALLERGEN IFRA
17.671	beta-Phellandrene	1029	0.26%	
18.626	trans-beta-Ocimene	1044	0.01%	
21.181	Terpinolene	1083	0.01%	ALLERGEN
22.125	Linalool	1098	0.29%	ALLERGEN IFRA
22.500	Nonanal	1103	0.02%	
25.714	Citronellal	1150	0.03%	IFRA
28.658	alpha-Terpineol	1193	0.03%	ALLERGEN
29.444	Decanal	1204	0.15%	
31.584	Neral	1236	0.02%	ALLERGEN IFRA
33.604	Geranial	1265	0.05%	ALLERGEN IFRA
34.108	Perillaldehyde	1273	0.02%	IFRA
40.701	Unidentified	1372	0.01%	
42.003	Unidentified	1392	0.05%	
43.482	beta-Caryophyllene	1416	0.06%	ALLERGEN
57.203	Unidentified	1645	0.03%	

Total Identified Compounds **99.9 %**



TIC
11,825,329

