



Essential Oil University

GC/MS Report

Item	Lot
Pink Grapefruit EO CP, Pure & Natural <i>Citrus paradisi</i>	6W
Date	Analyst
11/20/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Pink Grapefruit EO CP, Pure & Natural, meets the expected chemical profile for authentic essential oil of *Citrus paradisi*. 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 Type: EO - Single

Sample Name: Pink Grapefruit EO CP, Pure & Natural

Country of Origin: USA

Analysis Date: 11/20/2025

Botanical Name: Citrus paradisi

Manufacture Date: October 2025

Lot Number: 6W

Production Method: Cold Press

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra

Column Type: ZB-5

Injection Type: Split

Injection Volume: 0.1 µL

Split Ratio: 24.4

Temperature Program: 2C/min

Physical Data

ANALYSIS

Optical Rotation @20°C

METHOD

USP[781]

RESULTS

+95.16

Refractive Index @20°C

USP[831]

1.47520

Specific Gravity @20°C

USP[841]

0.85200



Ret. Time	Component	Ret. Idx.	Conc. %	
12.227	alpha-Thujene	917	0.01%	
12.634	alpha-Pinene	925	0.75%	ALLERGEN
13.546	Camphene	941	0%	
14.831	Sabinene	963	0.74%	
15.139	beta-Pinene	969	0.07%	ALLERGEN
15.769	Myrcene	980	2.52%	PROP. 65
16.610	Octanal	995	0.58%	
16.842	alpha-Phellandrene	999	0.05%	
18.009	para-Cymene	1016	0.01%	
18.445	Limonene	1023	92.77%	ALLERGEN IFRA
18.500	beta-Phellandrene	1024	0.25%	
18.705	cis-beta-Ocimene	1027	0.02%	
19.382	trans-beta-Ocimene	1037	0.1%	
20.183	gamma-Terpinene	1049	0%	
20.994	Octanol	1061	0.01%	
21.990	Terpinolene	1076	0.01%	ALLERGEN
22.939	Linalool	1090	0.08%	ALLERGEN IFRA
23.301	Nonanal	1096	0.06%	
23.879	trans-4,8-Dimethyl-nona-1,3,7-triene	1104	0%	
24.478	trans-para-Mentha-2,8-dienol	1113	0%	
25.235	cis-Limonene oxide	1124	0.01%	
26.558	Citronellal	1143	0.05%	IFRA
26.840	Unidentified	1147	0.02%	
28.340	Unidentified	1168	0.05%	
29.545	alpha-Terpineol	1185	0.04%	ALLERGEN
30.320	Decanal	1196	0.25%	
30.616	Octyl acetate	1201	0.03%	
32.481	Neral	1228	0.03%	ALLERGEN IFRA
34.501	Geranial	1257	0.05%	ALLERGEN IFRA
35.038	Perillaldehyde	1265	0.01%	IFRA
36.032	Unidentified	1279	0.01%	
37.261	Undecenal	1297	0.01%	
39.796	alpha-Terpinyl acetate	1336	0.01%	
40.050	Unidentified	1339	0.01%	
40.563	Neryl acetate	1347	0%	
41.730	alpha-Copaene	1365	0.09%	
41.856	Geranyl acetate	1367	0.01%	ALLERGEN
42.516	beta-Cubebene	1377	0.07%	
42.617	beta-Elemene	1378	0.02%	
43.910	Dodecanal	1398	0.02%	

Ret. Time	Component	Ret. Idx.	Conc. %	
44.544	beta-Caryophyllene	1408	0.57%	ALLERGEN
46.631	trans-beta-Farnesene	1441	0.02%	
46.797	alpha-Humulene	1444	0.03%	
48.385	Germacrene D	1469	0.05%	
49.279	Bicyclogermacrene	1483	0.02%	
49.464	alpha-Muurolene	1486	0.01%	
50.455	Cubebol	1502	0%	
50.652	delta-Cadinene	1505	0.09%	
52.420	Elemol	1535	0.02%	
54.115	Germacren D-4-ol	1563	0.01%	
60.742	beta-Sinensal	1678	0.01%	
66.575	Nootkatone	1786	0.03%	IFRA
78.534	Bergaptene	2025	0%	
82.046	Ostole	2100	0.02%	
85.223	Unidentified coumarin	2171	0%	
86.124	Unidentified coumarin	2191	0.03%	ALLERGEN IFRA
86.553	Unidentified	2201	0.07%	
102.158	Aurapten	2586	0.16%	
106.998	Unidentified	2718	0.01%	

Total Identified Compounds **99.77 %**



TIC
30,631,140

