



Essential Oil University

GC/MS Report

Item	Lot
Camphor EO White <i>Cinnamomum camphora</i>	0L
Date	Analyst
4/30/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Camphor EO White, meets the expected chemical profile for authentic essential oil of *Cinnamomum camphora*. 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:** Camphor EO White**Botanical Name:** Cinnamomum camphora**Lot Number:** 0L**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** China**Analysis Date:** 4/30/2025**Manufacture Date:** December 2024

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

+8.52

1.46815

0.89066



Ret. Time	Component	Ret. Idx.	Conc. %	
5.219	4-Methyl pentan-2-one	730	0.01%	
10.965	2,6-Dimethyl-4-octene isomer	907	0.03%	
11.615	Tricyclene	919	0.02%	
11.766	alpha-Thujene	922	1.85%	
12.175	alpha-Pinene	929	9.66%	
12.961	alpha-Fenchene	944	0.05%	
13.057	Camphene	945	0.32%	
13.941	Unidentified	962	0.01%	
14.141	Bois de Rose oxide	965	0.01%	
14.319	Sabinene	968	2.17%	
14.614	beta-Pinene	974	2.17%	
14.946	6-Methyl hept-5-en-2-one	980	0.11%	
15.250	Myrcene	985	2.05%	
15.436	6-Methyl hept-5-en-2-ol	989	0.05%	
15.795	Unidentified	995	0.01%	
15.865	delta-2-Carene	997	0.03%	
16.301	alpha-Phellandrene	1004	0.52%	
16.455	delta-3-Carene	1006	8.21%	
16.812	1,4-Cineole	1012	0.03%	
16.958	alpha-Terpinene	1014	0.69%	
17.122	ortho-Cymene	1016	0.01%	
17.444	para-Cymene	1021	6.33%	
17.765	Limonene	1026	14.54%	IFRA
17.890	beta-Phellandrene	1028	3.62%	
17.949	1,8-Cineole	1029	30.37%	
18.030	Unidentified	1030	0.03%	
18.137	cis-beta-Ocimene	1032	0.03%	
18.807	trans-beta-Ocimene	1042	0.72%	
19.590	gamma-Terpinene	1054	1.97%	
20.380	cis-Linalool oxide (furanoid)	1066	0.02%	
21.394	Terpinolene	1082	0.11%	
21.591	Fenchone	1085	0.01%	
22.337	Linalool	1096	0.05%	IFRA
25.567	Camphor	1143	9.06%	
27.159	delta-Terpineol	1166	0.04%	
27.259	Borneol	1168	0.05%	
27.882	Terpinen-4-ol	1177	0.01%	
28.887	alpha-Terpineol	1191	4.92%	
29.442	Unidentified	1200	0.01%	
35.293	Safrole	1285	0.08%	



Ret. Time	Component	Ret. Idx.	Conc. %
43.752	Unidentified	1414	0%

Total Identified Compounds **99.92 %**

