



Essential Oil University

GC/MS Report

Item	Lot
Camphor EO White <i>Cinnamomum camphora</i>	0H
Date	Analyst
1/21/2025	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:** 0H**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** China**Analysis Date:** 1/21/2025**Manufacture Date:** October 2023

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

+6.48

1.46810

0.89039



Ret. Time	Component	Ret. Idx.	Conc. %	
5.376	4-Methylpentan-2-one	759	0.01%	
11.292	2,6-Dimethyl-4-octene isomer	905	0.02%	
11.963	Tricyclene	917	0.01%	
12.116	alpha-Thujene	920	1.89%	
12.542	alpha-Pinene	927	9.74%	
13.335	alpha-Fenchene	941	0.05%	
13.433	Camphene	943	0.31%	
14.316	Unidentified	959	0.01%	
14.480	Unidentified	962	0.01%	
14.531	Unidentified	963	0.01%	
14.712	Sabinene	966	2.2%	
15.017	beta-Pinene	971	2.2%	
15.329	6-Methyl hept-5-en-2-one	977	0.12%	
15.649	Myrcene	982	2.07%	
15.825	6-Methyl hept-5-en-2-ol	986	0.06%	
16.279	delta-2-Carene	994	0.02%	
16.495	Unidentified	997	0.01%	
16.721	alpha-Phellandrene	1001	0.53%	
16.884	delta-3-Carene	1004	8.04%	
17.241	1,4-Cineole	1009	0.01%	
17.383	alpha-Terpinene	1011	0.65%	
17.878	para-Cymene	1019	5.91%	
18.208	Limonene	1024	14.24%	IFRA
18.325	beta-Phellandrene	1025	2.14%	
18.410	1,8-cineole	1027	32.85%	
18.553	cis-beta-Ocimene	1029	0.03%	
19.243	trans-beta-Ocimene	1039	0.72%	
20.044	gamma-Terpinene	1051	1.79%	
20.841	cis-Linalool oxide (furanoid)	1063	0.03%	
21.856	Terpinolene	1079	0.1%	
22.066	Fenchone	1082	0.01%	
22.800	Linalool	1093	0.06%	IFRA
26.091	Camphor	1141	9.04%	
27.659	delta-Terpineol	1163	0.02%	
28.385	Unidentified	1174	0.01%	
29.406	alpha-Terpineol	1188	4.99%	
35.804	Safrole	1281	0.09%	
44.298	Unidentified	1410	0.02%	

Total Identified Compounds **99.95 %**

