



Essential Oil University

GC/MS Report

Item	Lot
Ravintsara (ECO) EO <i>Cinnamomum camphora</i>	3AH
Date	Analyst
1/14/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Ravintsara (ECO) EO, 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:** Ravintsara (ECO) EO**Botanical Name:** Cinnamomum camphora**Lot Number:** 3AH**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Madagascar**Analysis Date:** 1/14/2025**Manufacture Date:** September 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

-14.96

1.46397

0.90567



Ret. Time	Component	Ret. Idx.	Conc. %	
5.106	3-Methylbutanol	729	0%	
11.548	Tricyclene	922	0.01%	
11.697	alpha-Thujene	925	0.67%	
12.107	alpha-Pinene	932	6.64%	
12.891	alpha-Fenchene	947	0.01%	
12.986	Camphene	948	0.13%	
14.258	Sabinene	972	12.34%	
14.542	beta-Pinene	977	2.85%	
15.161	Myrcene	988	0.77%	
16.063	Pseudolimonene	1004	0.02%	
16.211	alpha-Phellandrene	1006	0.19%	
16.866	alpha-Terpinene	1016	1.65%	
17.355	para-Cymene	1024	0.83%	
17.668	Limonene	1029	1.36%	IFRA
17.770	beta-Phellandrene	1030	0.29%	
17.911	1,8-Cineole	1033	60.22%	
18.045	cis-beta-Ocimene	1035	0.03%	
18.718	trans-beta-Ocimene	1045	0.06%	
19.497	gamma-Terpinene	1057	1.11%	
20.259	trans-Sabinene hydrate	1069	0.33%	
21.277	Terpinolene	1084	0.2%	
22.245	Linalool	1099	0.05%	IFRA
22.301	cis-Sabinene hydrate	1100	0.34%	
23.900	cis-para-Menth-2-en-1-ol	1124	0.05%	
25.007	trans-Pinocarveol	1140	0.01%	
25.122	trans-para-Menth-2-en-1-ol	1141	0.04%	
27.041	delta-Terpineol	1169	0.18%	
27.149	Borneol	1171	0.05%	
27.765	Terpinen-4-ol	1180	3.24%	
28.192	Unidentified	1186	0.01%	
28.586	Unidentified	1192	0%	
28.779	alpha-Terpineol	1195	4.44%	
28.870	Unidentified	1196	0.01%	
29.710	trans-Piperitol	1208	0.02%	
30.745	Unidentified	1223	0.01%	
32.476	Linalyl acetate	1249	0.06%	
34.113	Unidentified isomer I	1273	0.02%	
35.298	Unidentified isomer I	1290	0.01%	
37.254	Unidentified	1320	0.01%	
41.726	beta-Elemene	1388	0.02%	



Ret. Time	Component	Ret. Idx.	Conc. %	
43.615	beta-Caryophyllene	1418	0.77%	
45.861	alpha-Humulene	1454	0.54%	
47.449	Germacrene D	1479	0.21%	
47.937	beta-Selinene	1487	0.04%	
48.068	Viridiflorene	1489	0.02%	
48.343	Bicyclgermacrene	1494	0.11%	
52.108	Bicyclgermacrene isomer	1557	0.01%	
53.160	Unidentified	1575	0.01%	
53.469	Unidentified	1580	0.01%	
55.085	Humulene epoxide II	1608	0.01%	
56.382	Unidentified	1631	0.01%	
58.510	Unidentified	1669	0.01%	

Total Identified Compounds **99.92 %**

