



Essential Oil University

GC/MS Report

Item	Lot
Ravintsara (ECO) EO <i>Cinnamomum camphora</i>	5C
Date	Analyst
10/27/2025	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:** 5C**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Madagascar**Analysis Date:** 10/27/2025**Manufacture Date:** June 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

-14.80

1.46398

0.90470



Ret. Time	Component	Ret. Idx.	Conc. %	
5.077	3-Methyl-1-butanol	727	0%	
10.825	Unidentified	908	0%	
11.475	Tricyclene	920	0.01%	
11.625	alpha-Thujene	923	0.56%	
12.032	alpha-Pinene	931	5.72%	ALLERGEN
12.811	alpha-Fenchene	945	0.01%	
12.905	Camphene	947	0.11%	
14.175	Sabinene	970	10.83%	
14.457	beta-Pinene	975	2.99%	ALLERGEN
15.076	Myrcene	987	0.91%	PROP. 65
15.977	Pseudolimonene	1003	0.03%	
16.121	alpha-Phellandrene	1005	0.21%	
16.775	alpha-Terpinene	1015	1.95%	ALLERGEN
17.261	para-Cymene	1023	0.81%	
17.572	Limonene	1027	1.45%	ALLERGEN IFRA
17.670	beta-Phellandrene	1029	0.23%	
17.814	1,8-Cineole	1031	60.56%	
17.947	cis-beta-Ocimene	1033	0.04%	
18.617	trans-beta-Ocimene	1043	0.1%	
19.396	gamma-Terpinene	1055	1.46%	
20.162	trans-Sabinene hydrate	1067	0.39%	
21.178	Terpinolene	1083	0.28%	ALLERGEN
22.135	Linalool	1098	0.04%	ALLERGEN IFRA
22.204	cis-Sabinene hydrate	1099	0.44%	
22.776	Unidentified	1107	0.01%	
23.801	cis-para-Menth-2-en-1-ol	1122	0.06%	
24.070	Unidentified	1126	0.01%	
24.911	trans-Pinocarveol	1138	0.01%	
25.025	trans-para-Menth-2-en-1-ol	1140	0.05%	
25.339	Unidentified	1144	0.01%	
26.167	Unidentified	1157	0%	
26.945	delta-Terpineol	1168	0.19%	ALLERGEN
27.048	Borneol	1169	0.05%	
27.665	Terpinen-4-ol	1178	3.7%	
28.680	alpha-Terpineol	1193	4.81%	ALLERGEN
29.610	trans-Piperitol	1207	0.03%	
30.643	Nerol	1222	0.01%	
32.371	Linalyl acetate	1247	0.08%	ALLERGEN
34.014	cis-Ascaridol glycol	1271	0.01%	
35.180	Unidentified	1289	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
35.479	Unidentified	1293	0%	
35.600	Unidentified	1295	0.01%	
37.159	Unidentified	1318	0.01%	
41.605	beta-Elemene	1386	0.03%	
43.495	beta-Caryophyllene	1416	0.83%	ALLERGEN
44.675	beta-Copaene	1435	0.01%	
45.379	Unidentified	1446	0.01%	
45.739	alpha-Humulene	1452	0.51%	
47.331	Germacrene D	1477	0.21%	
47.819	beta-Selinene	1485	0.05%	
47.948	Viridiflorene	1487	0.02%	
48.223	Bicyclogermacrene	1492	0.13%	
49.610	Unidentified	1515	0%	
51.984	Unidentified	1555	0.01%	

Total Identified Compounds **99.92 %**



TIC
21,819,159

