



Essential Oil University

GC/MS Report

Item	Lot
Ravintsara (ECO) EO <i>Cinnamomum camphora</i>	9K
Date	Analyst
2/13/2025	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:** 9K**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Madagascar**Analysis Date:** 2/13/2025**Manufacture Date:** January 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

-14.24

1.46419

0.90559



Ret. Time	Component	Ret. Idx.	Conc. %	
11.040	Unidentified	909	0%	
11.685	Tricyclene	920	0.01%	
11.839	alpha-Thujene	923	0.66%	
12.249	alpha-Pinene	931	6.56%	
13.037	alpha-Fenchene	945	0.01%	
13.133	Camphene	947	0.12%	
14.412	Sabinene	970	12.42%	
14.700	beta-Pinene	975	3.13%	
15.329	Myrcene	987	0.82%	
16.236	Pseudolimonene	1003	0.02%	
16.380	alpha-Phellandrene	1005	0.14%	
16.900	Unidentified	1013	0%	
17.040	alpha-Terpinene	1015	1.7%	
17.525	para-Cymene	1023	0.88%	
17.837	Limonene	1027	1.32%	IFRA
17.910	beta-Phellandrene	1028	0.1%	
18.059	1,8-Cineole	1031	60.02%	
18.214	cis-beta-Ocimene	1033	0.04%	
18.894	trans-beta-Ocimene	1043	0.08%	
19.679	gamma-Terpinene	1056	1.09%	
20.442	trans-Sabinene hydrate	1067	0.29%	
21.481	Terpinolene	1083	0.2%	
22.496	trans-Sabinene hydrate	1099	0.34%	
24.109	cis-para-Menth-2-en-1-ol	1122	0.05%	
25.332	trans-para-Menth-2-en-1-ol	1140	0.03%	
27.249	delta-Terpineol	1168	0.16%	
27.351	Borneol	1169	0.05%	
27.974	Terpinen-4-ol	1178	3.32%	
28.411	Unidentified	1185	0.01%	
28.983	alpha-Terpineol	1193	4.43%	
29.933	cis-Piperitol	1207	0.02%	
30.964	Nerol	1222	0.01%	
32.701	Linalyl acetate	1247	0.07%	
34.321	cis-Ascaridol glycol	1271	0.01%	
35.493	Unidentified	1288	0.01%	
37.463	Unidentified	1318	0.01%	
41.966	beta-Elemene	1387	0.02%	
43.868	beta-Caryophyllene	1416	0.82%	
44.491	Unidentified	1426	0.01%	
45.732	Unidentified	1446	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
46.109	alpha-Humulene	1452	0.63%	
47.702	Germacrene D	1478	0.19%	
48.189	beta-Selinene	1486	0.02%	
48.335	Viridiflorene	1488	0.01%	
48.593	Bicyclogermacrene	1492	0.15%	
49.969	delta-Cadinene	1515	0.01%	
52.368	Germacrene B	1555	0.01%	
59.630	Unidentified	1682	0.01%	

Total Identified Compounds **99.96 %**

