



Essential Oil University

GC/MS Report

Item	Lot
Ravensara (Aromatica) EO <i>Ravensara aromatica</i>	2C
Date	Analyst
11/7/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Ravensara (Aromatica) EO, meets the expected chemical profile for authentic essential oil of *Ravensara aromatica*. 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:** Ravensara (Aromatica) EO**Botanical Name:** Ravensara aromatica**Lot Number:** 2C**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** Madagascar**Analysis Date:** 11/7/2025**Manufacture Date:** September 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

-23.00

1.48201

0.88159



Ret. Time	Component	Ret. Idx.	Conc. %	
12.261	Tricyclene	921	0.02%	
12.409	alpha-Thujene	923	0.49%	
12.837	alpha-Pinene	931	5.67%	ALLERGEN
13.663	alpha-Fenchene	945	0.04%	
13.765	Camphene	947	0.78%	
15.066	Sabinene	970	15.18%	
15.373	beta-Pinene	976	4.17%	ALLERGEN
15.987	Myrcene	986	1.77%	PROP. 65
16.875	Unidentified	1002	0.01%	
17.087	alpha-Phellandrene	1005	2.53%	
17.236	delta-3-Carene	1007	5.92%	
17.743	alpha-Terpinene	1015	1.78%	ALLERGEN
17.896	ortho-Cymene	1017	0.08%	
18.229	para-Cymene	1022	0.8%	
18.555	Limonene	1027	16.67%	ALLERGEN IFRA
18.657	beta-Phellandrene	1029	0.89%	
18.745	1,8-Cineole	1030	1.32%	
18.923	cis-beta-Ocimene	1033	1.95%	
19.082	2-Heptyl acetate	1035	0.09%	
19.622	trans-beta-Ocimene	1043	0.15%	
20.087	Unidentified	1050	0.02%	
20.439	gamma-Terpinene	1055	1.07%	
21.248	trans-Sabinene hydrate	1068	0.1%	
22.001	Isoterpinolene	1079	0.02%	
22.273	Terpinolene	1083	0.4%	ALLERGEN
23.238	Linalool	1098	6.63%	ALLERGEN IFRA
23.310	cis-Sabinene hydrate	1099	0.11%	
24.393	Unidentified	1114	0.01%	
24.964	cis-para-Menth-2-en-1-ol	1122	0.03%	
25.181	allo-Ocimene	1126	0.14%	
26.204	trans-para-Menth-2-en-1-ol	1140	0.02%	
28.274	Borneol	1170	0.28%	
28.871	Terpinen-4-ol	1179	3.48%	
29.282	para-Cymen-8-ol	1184	0.02%	
29.868	alpha-Terpineol	1193	0.42%	ALLERGEN
30.067	Estragole	1196	1.78%	PROP. 65 IFRA
30.421	alpha-Phellandrene epoxide	1201	0.02%	
33.217	Carvone	1242	0.02%	ALLERGEN IFRA
35.980	Bornyl acetate	1282	0.09%	
36.098	trans-Anethole	1284	0.04%	ALLERGEN



Ret. Time	Component	Ret. Idx.	Conc. %	
36.617	Unidentified	1291	0.08%	
38.338	Unidentified	1317	0.02%	
39.152	Elemene isomer	1329	0.04%	
39.378	delta-Elemene	1333	0.47%	
40.154	alpha-Cubebene	1345	0.46%	
40.394	Eugenol	1348	0.04%	ALLERGEN IFRA
41.616	alpha-Ylangene	1367	0.03%	
42.045	alpha-Copaene	1373	1.19%	
42.447	Elemene isomer	1379	0.02%	
42.573	beta-Bourbonene	1381	0.04%	
42.837	beta-Cubebene	1385	0.24%	
42.928	beta-Elemene	1387	0.83%	
43.573	Methyleugenol	1397	5%	PROP. 65 IFRA
44.080	Unidentified	1404	0.03%	
44.876	beta-Caryophyllene	1417	5%	ALLERGEN
45.508	beta-Copaene	1427	0.07%	
46.057	Aromadendrene	1436	0.03%	
46.229	6,9-Guaiadiene	1439	0.03%	
46.500	Unidentified	1443	0.01%	
46.714	trans-Murrola-3,5-diene	1446	0.12%	
46.924	trans-beta-Farnesene	1450	0.04%	
47.124	alpha-Humulene	1453	0.72%	
47.396	Alloaromodendrene	1457	0.32%	
47.522	cis-Cadina-1(6),4-diene	1459	0.02%	
48.145	trans-Cadina-1(6),4-diene	1469	0.08%	
48.321	gamma-Murolene	1472	0.16%	
48.714	Germacrene D	1478	3.9%	
48.895	Unidentified	1481	0.02%	
49.075	delta-Selinene	1484	0.04%	
49.207	beta-Selinene	1486	0.13%	
49.381	gamma-Amorphene	1489	0.19%	
49.545	trans-Methyl isoeugenol	1492	0.18%	
49.601	Bicyclogermacrene	1493	0.55%	
49.778	alpha-Murolene	1495	0.23%	
50.052	Cadinene isomer	1500	0.06%	
50.341	beta-Bisabolene	1505	0.07%	
50.665	gamma-Cadinene	1510	0.21%	
50.794	Cubebol	1512	0.1%	
50.963	delta-Cadinene	1515	1.1%	
51.166	cis-Calamenene	1518	0.09%	



Ret. Time	Component	Ret. Idx.	Conc. %	
51.255	Unidentified	1520	0.03%	
51.822	trans-Cadine-1,4-diene	1529	0.13%	
52.069	alpha-Cadinene	1534	0.04%	
52.616	Elemicin	1543	0.39%	
52.745	alpha-Elemol	1545	1.4%	
53.404	Germacrene B	1556	0.02%	
54.084	Palustrol	1568	0.02%	
54.435	Spathulenol	1573	0.06%	
54.765	Caryophyllene oxide	1579	0.11%	
55.609	Guaiol	1593	0.05%	
56.086	Unidentified	1601	0.01%	
56.713	Unidentified	1612	0.02%	
57.400	Epicubenol	1625	0.08%	
57.638	gamma-Eudesmol	1629	0.07%	
58.203	tau-Cadinol	1639	0.09%	
58.299	epi-alpha-Cadinol	1640	0.11%	
58.460	delta-Cadinol	1643	0.05%	
58.955	alpha-Cadinol	1652	0.31%	
59.135	Unidentified	1655	0.03%	

Total Identified Compounds **99.7 %**



TIC
14,265,332

