



Essential Oil University

GC/MS Report

Item	Lot
Lavender (Wild Crafted) EO <i>Lavandula angustifolia</i>	7A
Date	Analyst
12/9/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Lavender (Wild Crafted) EO, meets the expected chemical profile for authentic essential oil of *Lavandula angustifolia*. 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: Lavender (Wild Crafted) EO
Botanical Name: Lavandula angustifolia
Lot Number: 7A
Production Method: Steam distilled

Sample Type: EO - Single
Country of Origin: France
Analysis Date: 12/9/2025
Manufacture Date: October 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	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-9.68
Refractive Index @20°C	USP[831]	1.46066
Specific Gravity @20°C	USP[841]	0.88180



Ret. Time	Component	Ret. Idx.	Conc. %	
3.757	Unidentified	584	0.01%	
4.205	3-Methylbutanal	635	0.02%	
5.412	Isopentyl alcohol	728	0.01%	
5.502	2-Methylbutanol	731	0%	
6.207	Toluene	762	0%	
7.470	Butyl acetate	810	0.02%	
7.891	1-Methoxyhexane	820	0.22%	
9.054	Hex-(3Z)-enol	849	0.01%	
9.551	Hexanol	862	0.1%	
12.243	Tricyclene	920	0.02%	
12.389	alpha-Thujene	923	0.09%	
12.691	Unidentified	928	0.01%	
12.812	alpha-Pinene	930	0.15%	ALLERGEN
13.746	Camphene	947	0.14%	
15.029	Sabinene	970	0.03%	
15.360	1-Octen-3-ol	975	0.28%	
15.699	3-Octanone	981	2.02%	
15.966	Myrcene	986	0.77%	PROP. 65
16.340	Butyl butyrate	993	0.13%	
16.401	3-Octanol	994	0.42%	
16.973	cis-Dehydrolinalool oxide	1003	0.01%	
17.061	alpha-Phellandrene	1005	0.03%	
17.207	delta-3-Carene	1007	0.08%	
17.349	Hexyl acetate	1009	0.88%	
17.721	alpha-Terpinene	1015	0.04%	ALLERGEN
17.873	ortho-Cymene	1017	0.03%	
18.206	para-Cymene	1022	0.17%	
18.509	Limonene	1026	0.43%	ALLERGEN IFRA
18.622	beta-Phellandrene	1028	0.24%	
18.714	1,8-Cineole	1029	0.87%	
18.903	cis-beta-Ocimene	1032	2.81%	
19.233	Butyl 2-methylbutyrate	1037	0.01%	
19.602	trans-beta-Ocimene	1043	2.24%	
20.417	gamma-Terpinene	1055	0.12%	
21.238	cis-Linalool oxide (furanoid)	1067	0.23%	
21.449	Unidentified	1071	0.01%	
22.252	Terpinolene	1083	0.09%	ALLERGEN
22.322	trans-Linalool oxide (furanoid)	1084	0.12%	
22.664	Rosefuran	1089	0.01%	
23.294	Linalool	1098	34.05%	ALLERGEN IFRA



Ret. Time	Component	Ret. Idx.	Conc. %	
23.459	Hotrienol	1101	0.07%	
23.564	Hexyl propionate	1102	0.05%	
23.724	1-Octen-3-yl acetate	1105	1.12%	IFRA
24.014	Heptyl acetate	1109	0.01%	
24.555	3-Octyl acetate	1117	0.2%	
24.929	cis-para-Menth-2-en-1-ol	1122	0.03%	
25.159	allo-Ocimene	1125	0.11%	
26.526	Camphor	1145	0.24%	ALLERGEN
26.801	Nerol oxide	1149	0.01%	
27.621	Lavandulol	1161	1.02%	
28.063	cis-Linalool oxide (pyranoid)	1167	0.02%	
28.251	Borneol	1170	0.5%	
28.385	trans-Linalool oxide (pyranoid)	1172	0.02%	
28.456	(3E,5E)-1,3,5-Undecatriene	1173	0.02%	
28.846	Terpinen-4-ol	1178	3.03%	
29.125	Unidentified	1182	0.02%	
29.262	Cryptone	1184	0.24%	
29.587	Hexyl butyrate	1189	0.61%	
29.842	alpha-Terpineol	1193	1.02%	ALLERGEN
30.897	Unidentified	1208	0.01%	
31.464	trans-Carveol	1216	0%	
31.820	Nerol	1221	0.1%	
32.157	Bornyl formate	1226	0.04%	
32.626	Hexyl 2-methylbutyrate	1233	0.05%	
33.092	Cuminal	1240	0.07%	IFRA
33.195	Carvone	1241	0.02%	ALLERGEN IFRA
33.614	Linalyl acetate	1247	30.2%	ALLERGEN
34.849	Unidentified	1265	0.01%	
35.083	Unidentified	1269	0.02%	
35.518	Phellandral	1275	0.01%	
35.864	Lavandulyl acetate	1280	3.68%	
35.955	Bornyl acetate	1282	0.07%	
36.410	para-Cymen-7-ol	1288	0.02%	
38.947	Hexyl tiglate	1326	0.04%	
39.115	Unidentified	1329	0.02%	
39.884	Unidentified	1341	0.01%	
40.086	Unidentified	1344	0.01%	
40.843	Neryl acetate	1355	0.3%	
42.131	Geranyl acetate	1375	0.49%	ALLERGEN
42.542	beta-Bourbonene	1381	0.05%	



Ret. Time	Component	Ret. Idx.	Conc. %	
42.653	Hexyl hexanoate	1383	0.16%	
42.774	7-epi-Sesquithujene	1384	0.1%	
42.925	Unidentified	1387	0.01%	
43.725	alpha-Funebrene	1399	0.03%	
44.418	cis-alpha-Bergamotene	1410	0.04%	
44.844	beta-Caryophyllene	1417	4.14%	ALLERGEN
45.473	beta-Copaene	1427	0.01%	
45.675	trans-alpha-Bergamotene	1430	0.13%	
46.149	Unidentified	1437	0.01%	
46.377	cis-beta-Farnesene	1441	0.03%	
46.547	epi-beta-Santalene	1444	0.01%	
46.897	trans-beta-Farnesene	1449	3.87%	
47.093	alpha-Humulene	1453	0.12%	
47.210	Sesquisabinene	1454	0.03%	
48.681	Germacrene D	1478	0.45%	
48.851	trans-beta-Bergamotene	1481	0.05%	
50.313	beta-Bisabolene	1504	0.02%	
50.637	gamma-Cadinene	1510	0.07%	
50.926	Unidentified	1514	0.01%	
54.736	Caryophyllene oxide	1578	0.25%	
58.168	tau-Cadinol	1638	0.03%	

Total Identified Compounds **99.89 %**



TIC
14,738,087

