



Essential Oil University

GC/MS Report

Item	Lot
Thyme (ct. Linalool) EO <i>Thymus vulgaris</i>	9D
Date	Analyst
10/14/2025	Dr. Robert S. Pappas

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The analysis of this batch sample, Thyme (ct. Linalool) EO, meets the expected chemical profile for authentic essential oil of *Thymus vulgaris*. 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:** Thyme (ct. Linalool) EO**Botanical Name:** Thymus vulgaris**Lot Number:** 9D**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** France**Analysis Date:** 10/14/2025**Manufacture Date:** July 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

-16.44

1.46242

0.87188



Ret. Time	Component	Ret. Idx.	Conc. %	
5.112	Unidentified	711	0%	
6.314	Unidentified	762	0.02%	
10.147	Unidentified	873	0.01%	
12.124	Tricyclene	916	0.24%	
12.275	alpha-Thujene	918	0.01%	
12.691	alpha-Pinene	926	0.63%	ALLERGEN
13.024	beta-Fenchene	931	0.01%	
13.512	alpha-Fenchene	940	0.03%	
13.610	Camphene	942	1.31%	
14.893	Sabinene	964	0.01%	
15.220	beta-Pinene	970	0.03%	ALLERGEN
15.237	1-Octen-3-ol	970	0.08%	
15.839	Myrcene	981	0.23%	PROP. 65
16.907	alpha-Phellandrene	1000	0.02%	
17.051	delta-3-Carene	1002	0%	
17.574	alpha-Terpinene	1010	0.03%	ALLERGEN
18.050	para-Cymene	1017	0.05%	
18.358	Limonene	1022	0.18%	ALLERGEN IFRA
18.465	beta-Phellandrene	1023	0.03%	
18.546	1,8-Cineole	1024	0.62%	
18.755	cis-beta-Ocimene	1028	0.12%	
19.448	trans-beta-Ocimene	1038	0.16%	
20.246	gamma-Terpinene	1050	0.03%	
21.060	cis-Linalool oxide (furanoid)	1062	0.16%	
22.090	Terpinolene	1078	0.05%	ALLERGEN
22.139	trans-Linalool oxide (furanoid)	1078	0.24%	
22.501	Unidentified	1084	0.01%	
23.210	Linalool	1094	82.12%	ALLERGEN IFRA
23.331	Unidentified	1096	0.06%	
23.430	Nonanal	1098	0.04%	
23.564	Unidentified	1100	0.03%	
24.392	endo-Fenchol	1112	0.01%	
24.962	Unidentified	1120	0%	
25.058	Unidentified	1121	0%	
25.192	Unidentified	1123	0%	
26.299	Camphor	1139	1.92%	ALLERGEN
27.416	Lavandulol	1155	0.03%	
27.855	cis-Linalool oxide (pyranoid)	1161	0.01%	
28.012	Borneol	1163	0.44%	
28.162	trans-Linalool oxide (pyranoid)	1166	0.01%	



Ret. Time	Component	Ret. Idx.	Conc. %	
28.620	Terpinen-4-ol	1172	0.21%	
29.099	Unidentified	1179	0.04%	
29.397	Hexyl butyrate	1183	0.02%	
29.621	alpha-Terpineol	1186	0.19%	ALLERGEN
31.613	Nerol	1215	0.02%	
32.863	Unidentified	1233	0.01%	
33.079	Unidentified	1236	0%	
33.366	Linalyl acetate	1241	6.62%	ALLERGEN
34.158	Unidentified	1252	0.01%	
34.893	Unidentified	1263	0.01%	
35.662	Lavandulyl acetate	1274	0.12%	
35.710	Unidentified	1275	0.04%	
36.603	Carvacrol	1288	0.07%	
39.695	Unidentified	1334	0%	
39.872	Unidentified	1337	0.01%	
40.380	Unidentified	1344	0.02%	
40.640	Neryl acetate	1348	0.05%	
41.812	alpha-Copaene	1366	0.01%	
41.926	Geranyl acetate	1368	0.11%	ALLERGEN
42.333	Unidentified	1374	0.06%	
43.681	Unidentified	1394	0.01%	
44.629	beta-Caryophyllene	1409	2.78%	ALLERGEN
45.260	beta-Copaene	1419	0.01%	
45.472	trans-alpha-Bergamotene	1423	0.01%	
46.701	trans-beta-Farnesene	1442	0.03%	
46.874	alpha-Humulene	1445	0.02%	
48.466	Germacrene D	1470	0.07%	
48.852	Unidentified	1476	0%	
49.747	Unidentified	1491	0.01%	
50.420	gamma-Cadinene	1501	0.01%	
50.730	delta-Amorphene	1507	0.02%	
52.951	Neryl butyrate	1544	0.01%	
54.515	Caryophyllene oxide	1570	0.42%	
60.399	alpha-Bisabolol	1672	0.01%	IFRA

Total Identified Compounds **99.66 %**



TIC
35,751,435

