Essential Oil University

GC/MS Report

Item	Lot
Clary Sage EO, France *Salvia sclarea*	**6C**
Date	Analyst
6/10/2025	**Dr. Robert S. Pappas**

The analysis of this batch sample, Clary Sage EO, France, meets the expected chemical profile for authentic essential oil of *Salvia sclarea*. 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: Clary Sage EO, France
Botanical Name: Salvia sclarea
Lot Number: 6C
Production Method: Steam distilled

Sample Type: EO - Single
Country of Origin: France
Analysis Date: 6/10/2025
Manufacture Date: May 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

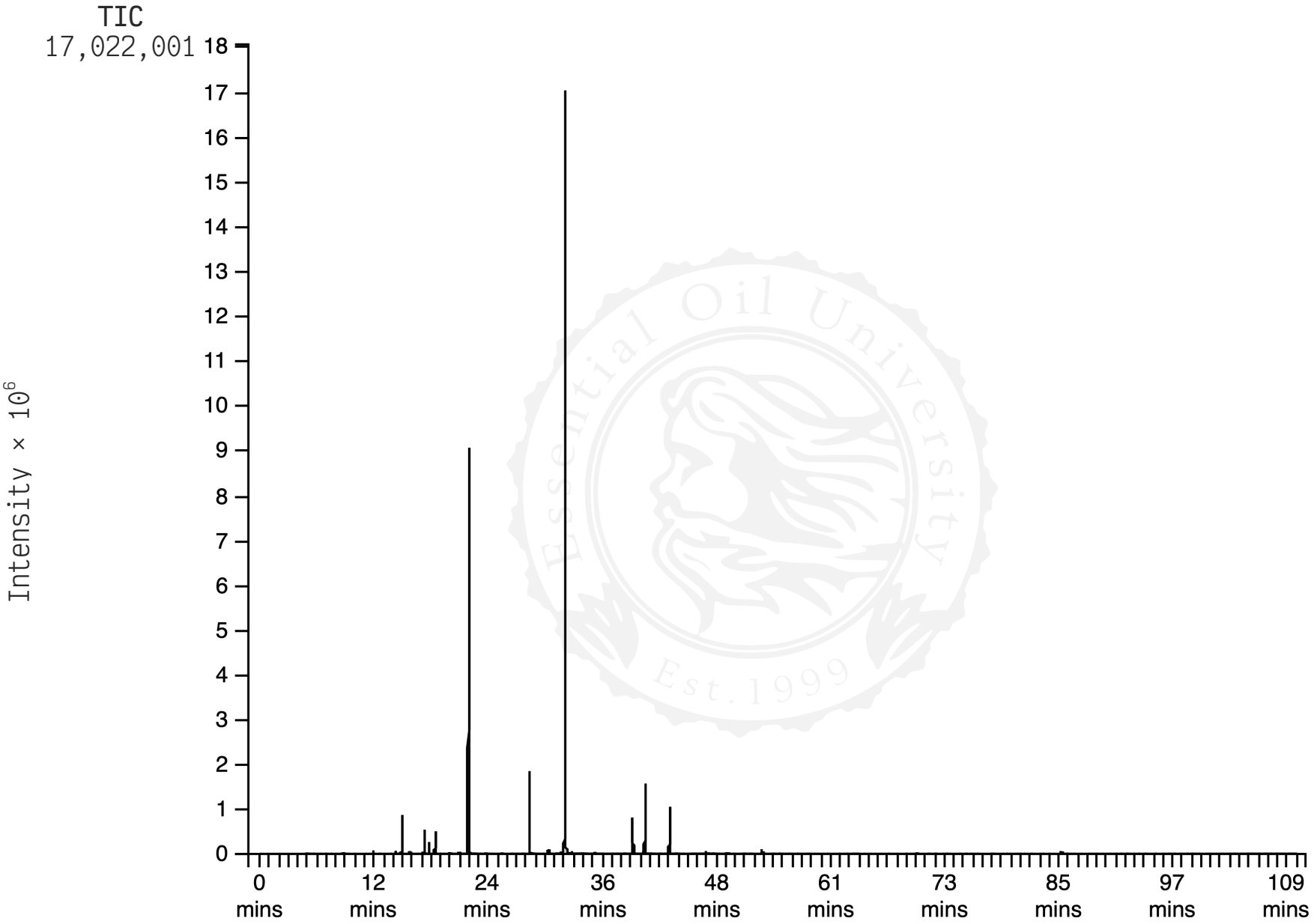
Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-10.72
Refractive Index @20°C	USP[831]	1.45885
Specific Gravity @20°C	USP[841]	0.89565

Ret. Time	Component	Ret. Idx.	Conc. %	
4.490	2-Ethylfuran	699	0.01%	
5.071	3-Methylbutanol	727	0.01%	
5.145	2-Methylbutanol	731	0%	
8.433	Hex-(3Z)-enol	849	0.04%	
8.807	Hex-(2E)-enol	858	0.05%	
8.943	Hexanol	862	0.03%	
11.613	alpha-Thujene	923	0%	
12.007	alpha-Pinene	930	0.11%	
12.892	Camphene	947	0%	
14.141	Sabinene	970	0%	
14.433	beta-Pinene	975	0.11%	
14.510	1-Octen-3-ol	976	0%	
14.748	Unidentified	981	0.01%	
15.062	Myrcene	986	1.52%	
15.961	Pseudolimonene	1003	0.07%	
15.995	cis-Dehydrolinalool oxide	1003	0.03%	
17.235	para-Cymene	1022	0.08%	
17.525	Limonene	1027	0.96%	IFRA
17.640	beta-Phellandrene	1028	0.01%	
17.697	1,8-Cineole	1029	0.01%	
17.924	cis-beta-Ocimene	1033	0.47%	
18.596	trans-beta-Ocimene	1043	0.91%	
19.381	gamma-Terpinene	1055	0.01%	
20.170	cis-Linalool oxide (furanoid)	1067	0.06%	
21.190	Terpinolene	1083	0.04%	
21.228	trans-Linalool oxide (furanoid)	1084	0.08%	
22.195	Linalool	1099	24.35%	IFRA
22.370	Hotrienol	1101	0.04%	
23.438	endo-Fenchol	1117	0%	
24.047	allo-Ocimene	1126	0.04%	
25.327	Camphor	1144	0%	
25.654	Nerol oxide	1149	0.02%	
26.933	delta-Terpineol	1168	0.01%	
27.033	Borneol	1169	0.01%	
27.641	Terpinen-4-ol	1178	0.02%	
28.082	para-Cymen-8-ol	1184	0.02%	
28.161	Unidentified	1186	0.03%	
28.654	alpha-Terpineol	1193	3.97%	
29.786	Linalyl formate	1209	0.03%	
30.626	Nerol	1222	0.18%	

Ret. Time	Component	Ret. Idx.	Conc. %	
31.584	Unidentified	1236	0.01%	
31.995	Unidentified	1242	0.01%	
32.076	Unidentified	1243	0.08%	
32.465	Linalyl acetate	1249	57.47%	
33.147	Unidentified	1259	0.1%	
33.595	Geranial	1265	0.03%	IFRA
34.163	Neryl formate	1274	0.01%	
34.577	Unidentified	1280	0.03%	
35.625	Geranyl formate	1295	0.03%	
37.878	Unidentified	1329	0.03%	
38.639	Unidentified	1341	0.03%	
38.821	alpha-Terpinyl acetate	1344	0.06%	
39.591	Neryl acetate	1356	1.72%	
40.693	alpha-Copaene	1372	0.11%	
40.877	Geranyl acetate	1375	3.47%	
41.203	beta-Bourbonene	1380	0.05%	
41.480	beta-Cubebene	1384	0.01%	
41.591	beta-Elemene	1386	0.03%	
42.560	Unidentified	1401	0.01%	
43.485	beta-Caryophyllene	1416	2.43%	
44.131	beta-Copaene	1426	0.01%	
45.722	alpha-Humulene	1452	0.04%	
47.313	Germacrene D	1477	0.13%	
47.733	Unidentified	1484	0.05%	
48.201	Bicyclogermacrene	1491	0.03%	
49.582	delta-Cadinene	1514	0.02%	
49.832	Unidentified	1518	0.01%	
50.657	Unidentified	1532	0.02%	
51.543	Unidentified	1547	0.01%	
53.026	Spathulenol	1572	0.03%	
53.330	Caryophyllene oxide	1578	0.26%	
54.598	Unidentified	1599	0.01%	
57.502	alpha-Eudesmol	1651	0.03%	
69.676	Sclareoloxide	1880	0.05%	
71.880	Unidentified	1924	0.01%	
72.760	Unidentified	1942	0%	
72.945	Unidentified	1946	0.01%	
85.064	Sclareol	2209	0.18%	IFRA

Total Identified Compounds **99.5 %**


TIC
17,022,001
Intensity × 10^6
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
0 mins
12 mins
24 mins
36 mins
48 mins
61 mins
73 mins
85 mins
97 mins
109 mins