



GC/MS Report

GC3

Item	Lot
98401-2	13559
<i>Salvia sclarea</i>	
Clary Sage EO, France, Natural	
Date	Analyst
10/7/2025	N. K

Sample Information

Sample Name: Clary Sage	Sample Type: EO - Single
Botanical Name: Salvia sclarea Lot	Country of Origin: France
Number: 13559	Analysis Date: 10/7/2025
Production Method: Steam distilled	Manufacture Date: October 2025

GC/MS

Inst. ID: Shimadzu GCMS-QP2010Ultra	Column Type: ZB-5
Injection Type: Split	Injection Volume: 0.1 µL
Split Ratio: 24.4	Temperature Program: 2C/min

Physical Data

ANALYSIS	METHOD	RESULTS
Optical Rotation @20°C	USP[781]	-14.72
Refractive Index @20°C	USP[831]	1.45711
Specific Gravity @20°C	USP[841]	0.89691

Ret. Time	Component	Ret. Idx.	Conc. %	
4.199	3-Methylbutanal	634	0.01%	
5.406	3-Methyl-1-butanol	727	0%	
12.808	alpha-Pinene	930	0.05%	
13.744	Camphene	947	0.01%	
15.024	Sabinene	969	0.01%	
15.344	beta-Pinene	975	0.07%	
15.661	Unidentified	981	0.01%	
15.962	Myrcene	986	1.55%	
16.906	Pseudolimonene	1002	0.08%	
17.085	alpha-Phellandrene	1005	0.01%	
17.718	alpha-Terpinene	1014	0.02%	
18.198	para-Cymene	1022	0.01%	
18.504	Limonene	1026	0.2%	IFRA
18.617	beta-Phellandrene	1028	0.02%	
18.707	1,8-Cineole	1029	0.01%	
18.893	cis-beta-Ocimene	1032	0.53%	
19.591	trans-beta-Ocimene	1043	1.03%	
20.410	gamma-Terpinene	1055	0.02%	
21.233	cis-Linalool oxide (furanoid)	1067	0.02%	
22.244	Terpinolene	1083	0.06%	
22.315	trans-Linalool oxide (pyranoid)	1084	0.03%	
23.232	Linalool	1097	14.07%	IFRA
23.440	Hotrienol	1101	0.01%	
23.561	Nonanal	1102	0%	
25.145	allo-Ocimene	1125	0.04%	
25.975	neo-allo-Ocimene	1137	0.01%	
28.110	delta-Terpineol	1168	0.01%	
28.234	Borneol	1169	0.02%	
29.835	alpha-Terpineol	1192	2.43%	
30.963	Linalyl formate	1209	0.26%	
31.811	Nerol	1221	0.03%	
33.284	Unidentified	1243	0.07%	
33.663	Linalyl acetate	1248	68.09%	
34.356	Unidentified	1258	0.11%	
35.817	Isopulegyl acetate	1280	0.04%	
35.941	Bornyl acetate	1281	0.01%	
36.839	Geranyl formate	1294	0.02%	
37.039	Unidentified	1297	0.01%	
39.106	Unidentified	1329	0.05%	
39.871	Unidentified	1340	0.01%	

Ret. Time	Component	Ret. Idx.	Conc. %	
40.075	Unidentified	1343	0.04%	
40.826	Neryl acetate	1355	1.24%	
42.002	alpha-Copaene	1373	0.42%	
42.114	Geranyl acetate	1374	2.62%	
42.527	beta-Bourbonene	1381	0.07%	
42.789	beta-Cubebene	1385	0.13%	
42.881	beta-Elemene	1386	0.08%	
44.824	beta-Caryophyllene	1416	2.16%	
45.468	beta-Copaene	1427	0.03%	
46.374	Unidentified	1441	0.01%	
46.873	trans-beta-Farnesene	1449	0.04%	
47.075	alpha-Humulene	1452	0.03%	
48.666	Germacrene D	1478	2.58%	
49.069	Valencene	1484	0.11%	
49.554	Bicyclogermacrene	1492	0.38%	
50.073	trans,trans-alpha-Farnesene	1500	0.04%	
50.914	delta-Cadinene	1514	0.09%	
52.643	Unidentified	1543	0.01%	
54.388	Spathulenol	1573	0.04%	
54.712	Caryophyllene oxide	1578	0.04%	
55.991	Unidentified	1600	0.04%	
57.174	Unidentified	1621	0.01%	
57.992	Unidentified	1635	0.02%	
58.893	alpha-Eudesmol	1651	0.02%	
59.966	Unidentified	1670	0.01%	
71.133	Sclareoloxide	1880	0.04%	
73.280	Unidentified	1923	0.01%	
74.162	meta-Camphorene	1942	0.02%	
77.098	Unidentified	2002	0.01%	
81.262	Unidentified	2091	0.03%	
86.547	Sclareol	2210	0.45%	IFRA
99.529	Unidentified	2528	0.12%	

Total Identified Compounds 99.41 %

TIC
25,904,966

