



Sample & Analysis Information

Sample Information

Sample Name: Lavandin Grosso Essentail Oil**Botanical Name:** Lavandula hybrida**Lot Number:** 13272**Production Method:** Steam distilled**Sample Type:** EO - Single**Country of Origin:** France**Analysis Date:** 6/19/2025**Manufacture Date:** June 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

-3.64

1.46121

0.89774

Ret. Time	Component	Ret. Idx.	Conc. %	
3.977	3-Methylbutanal	647	0.01%	
7.395	1-Methoxyhexane	821	0.03%	
8.954	Hexanol	862	0.12%	
11.624	alpha-Thujene	923	0.09%	
12.018	alpha-Pinene	930	0.48%	
12.903	Camphene	947	0.33%	
14.152	Sabinene	970	0.15%	
14.445	beta-Pinene	975	0.47%	
14.501	1-Octen-3-ol	976	0.19%	
14.836	3-Octanone	982	0.13%	
15.077	Myrcene	987	0.62%	
16.119	alpha-Phellandrene	1005	0.02%	
16.262	delta-3-Carene	1007	0.06%	
16.445	Hexyl acetate	1010	0.13%	
16.775	alpha-Terpinene	1015	0.04%	
17.249	para-Cymene	1022	0.18%	
17.541	Limonene	1027	1.01%	IFRA
17.718	1,8-Cineole	1030	7.55%	
17.944	cis-beta-Ocimene	1033	0.86%	
18.616	trans-beta-Ocimene	1043	0.45%	
19.392	gamma-Terpinene	1055	0.17%	
20.173	trans-Sabinene hydrate	1067	0.33%	
21.178	Terpinolene	1083	0.31%	
21.225	trans-Linalool oxide (furanoid)	1084	0.11%	
22.165	Linalool	1098	32.34%	IFRA
22.380	Unidentified	1101	0.05%	
22.491	Hexyl propionate	1103	0.07%	
22.659	1-Octen-3-yl acetate	1105	0.25%	IFRA
24.062	allo-Ocimene	1126	0.03%	
24.904	Unidentified	1138	0.02%	
25.347	Camphor	1145	8.43%	
26.482	Lavandulol	1161	0.44%	
26.945	delta-Terpineol	1168	0.08%	
27.049	Borneol	1169	3.65%	
27.651	Terpinen-4-ol	1178	4.24%	
28.090	para-Cymen-8-ol	1185	0.07%	
28.435	Hexyl butyrate	1190	0.42%	
28.653	alpha-Terpineol	1193	1.14%	
30.645	Nerol	1222	0.05%	
30.914	Isobornyl formate	1226	0.04%	

Ret. Time	Component	Ret. Idx.	Conc. %	
31.440	Hexyl 2-methylbutyrate	1234	0.07%	
31.870	Hexyl 3-methylbutyrate	1240	0.16%	
32.386	Linalyl acetate	1248	27.48%	
34.664	Lavandulyl acetate	1281	2.25%	
37.723	Hexyl tiglate	1327	0.17%	
39.611	Neryl acetate	1356	0.15%	
40.893	Geranyl acetate	1375	0.38%	
41.216	beta-Bourbonene	1380	0.03%	
41.484	7-epi-Sesquithujene	1384	0.06%	
42.448	alpha-Funebrene	1399	0.05%	
43.491	trans-beta-Caryophyllene	1416	1.47%	
44.368	trans-alpha-Bergamotene	1430	0.11%	
45.614	trans-beta-Farnesene	1450	0.78%	
45.755	Unidentified	1452	0.05%	
45.958	Unidentified	1455	0.05%	
46.773	Dauca-5,8-diene	1468	0.07%	
47.328	Germacrene D	1477	0.51%	
48.555	Unidentified	1497	0.03%	
48.657	Lavandulyl isovalerate	1499	0.23%	
48.806	trans,trans-alpha-Farnesene	1501	0.05%	
48.995	beta-Bisabolene	1504	0.12%	
49.289	gamma-Cadinene	1509	0.21%	
49.952	alpha-Cedrene	1520	0.08%	IFRA
53.345	Caryophyllene oxide	1578	0.05%	
56.807	alpha-Muurolol	1638	0.08%	
59.248	alpha-Bisabolol	1682	0.15%	IFRA

Total Identified Compounds **99.8 %**

