

Sample Information

Sample Name: Lavandin (abrialis) EO

Botanical Name: Lavandula hybrida

Lot Number: FRP17-PK

Production Method: Steam distilled

Sample Type: EO - Single

Country of Origin: France

Analysis Date: 3/21/2024

Manufacture Date: March 2024

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

-4.56

1.46474

0.89631

GC/MS Report
Components

Ret. Time	Component	Ret. Idx.	Conc. %	
8.348	Hexanol	848	0.05%	
10.684	Tricyclene	906	0.16%	
10.842	alpha-Thujene	909	0.04%	
11.216	alpha-Pinene	916	0.77%	
11.975	alpha-Fenchene	930	0.01%	
12.070	Camphene	931	0.78%	
13.058	Unidentified	949	0.01%	
13.299	Sabinene	954	0.06%	
13.573	beta-Pinene	959	0.76%	
13.704	1-Octen-3-ol	961	0.08%	
14.025	3-Octanone	967	0.1%	
14.227	Myrcene	971	0.82%	
15.085	Pseudolimonene	986	0.13%	
15.357	delta-3-Carene	991	0.1%	
15.608	Hexyl acetate	996	0.15%	
16.044	Cymene isomer	1003	0.02%	
16.342	para-Cymene	1008	0.19%	
16.615	Limonene	1012	1.48%	IFRA
16.779	1,8-Cineole	1015	10.25%	
17.033	cis-beta-Ocimene	1018	1.88%	
17.689	trans-beta-Ocimene	1029	3.39%	
18.443	gamma-Terpinene	1040	0.09%	
19.218	cis-Linalool oxide (furanoid)	1052	0.19%	
19.476	Pinene oxide isomer	1056	0.02%	
20.181	Terpinolene	1067	0.34%	
20.259	trans-Linalool oxide (furanoid)	1068	0.22%	
20.643	Rosefuran	1074	0.02%	
20.871	alpha-Pinene oxide	1078	0.02%	
21.196	Linalool	1083	33.18%	IFRA
21.529	Hexyl propionate	1088	0.08%	
21.685	1-Octen-3-yl acetate	1090	0.33%	IFRA
23.041	allo-Ocimene	1110	0.08%	
23.827	cis-Myroxide	1122	0.03%	
24.275	Camphor	1129	10.39%	
25.426	Lavandulol	1145	0.39%	
25.949	Borneol	1153	3.18%	
26.551	Terpinen-4-ol	1162	0.98%	
27.032	para-Cymen-8-ol	1169	0.06%	
27.145	Unidentified	1170	0.03%	
27.388	Hexyl butyrate	1174	0.11%	

Ret. Time	Component	Ret. Idx.	Conc. %
27.559	alpha-Terpineol	1176	1.49%
30.785	Hexyl Pentanoate	1224	0.03%
30.975	Unidentified	1227	0.05%
31.276	Linalyl acetate	1231	21.14%
32.038	cis-Linalyl acetate oxide	1242	0.04%
33.557	Lavandulyl acetate	1265	1.9%
38.498	Neryl acetate	1339	0.22%
39.778	Geranyl acetate	1358	0.47%
40.289	Hexyl hexanoate	1366	0.33%
42.264	beta-Caryophyllene	1396	2.58%
43.166	trans-alpha-Bergamotene	1410	0.03%
44.500	alpha-Humulene	1432	0.35%
46.109	beta-Copaene	1457	0.04%
47.523	Lavandulyl isovalerate	1480	0.02%
48.093	gamma-Cadinene	1489	0.03%
52.128	Caryophyllene oxide	1556	0.3%

Total Identified Compounds **99.9 %**

GC/MS Report: Chromatogram

