

IDENTIFIED COMPOUNDS

Identification	Column: BP5			Column: WAX			Molecular Class
	R.T.	R.I.	%	%	R.I.	R.T.	
α -Pinene	3.35	924	0.55	0.56	940	0.84	Monoterpene
Sabinene	4.07	968	0.30	0.30	1050	1.45	Monoterpene
β -Pinene	4.13	971	0.02	0.02	1034	1.32	Monoterpene
Myrcene	4.42	989	1.70	1.70	1110	1.94	Monoterpene
α -Phellandrene	4.69*	1004	0.14	0.01	1103	1.87	Monoterpene
Δ^3 -Carene	4.69*	1004	[0.14]	0.11	1083	1.71	Monoterpene
Octanal	4.81	1011	0.22	0.21	1227	3.32	Aliphatic aldehyde
Limonene	5.23*	1034	94.08	94.03	1148	2.37	Monoterpene
para-Cymene	5.23*	1034	[94.08]	0.01	1201	2.99	Monoterpene
<i>trans</i> - β -Ocimene	5.47	1048	0.01	0.01	1197	2.94	Monoterpene
<i>cis</i> -Sabinene hydrate	6.00	1076	0.01	0.01	1402	5.78	Monoterp. alcohol
Terpinolene	6.12	1083	0.01	0.01	1219	3.21	Monoterpene
Octanol	6.17	1086	0.06	0.08	1495	7.46	Aliphatic alcohol
Linalool	6.64	1107	0.46	0.44	1485	7.28	Monoterp. alcohol
Nonanal	6.70	1109	0.05	0.04	1335	4.81	Aliphatic aldehyde
<i>trans</i> -para-Mentha-2,8-dien-1-ol	7.13	1125	0.07	0.04	1548	8.73	Monoterp. alcohol
<i>cis</i> -Limonene oxide	7.24	1129	0.15	0.13	1367	5.28	Monoterp. ether
<i>trans</i> -Limonene oxide	7.36	1133	0.09	0.09	1380	5.47	Monoterp. ether
<i>cis</i> -para-Mentha-2,8-dien-1-ol	7.54	1140	0.06	0.05	1594	10.13	Monoterp. alcohol
Citronellal	7.86	1152	0.04	0.03	1415	5.96	Monoterp. aldehyde
Terpinen-4-ol	8.71	1184	0.03	0.05	1525	8.07*	Monoterp. alcohol
α -Terpineol	9.34	1203	0.06	0.13	1630	11.25*	Monoterp. alcohol
Decanal	9.64	1210	0.25	0.24	1437	6.37*	Aliphatic aldehyde
<i>trans</i> -Piperitol	9.79	1213	0.01	0.02	1669	12.96	Monoterp. alcohol
<i>trans</i> -Carveol	10.39	1227	0.07	0.07	1749	16.73	Monoterp. alcohol
<i>cis</i> -Carveol	10.77	1235	0.04				Monoterp. alcohol
Neral	10.98	1240	0.08	0.06	1620	10.91	Monoterp. aldehyde
Carvone	11.20	1245	0.10	0.11	1647	11.99	Monoterp. ketone
Geranial	12.48	1273	0.09				Monoterp. aldehyde
α -Copaene	17.38	1355	0.05	[0.24]	1437	6.37*	Sesquiterpene
β -Cubebene	18.37	1370	0.02	0.02	1467	6.94	Sesquiterpene
β -Caryophyllene	20.24	1398	0.02	[0.05]	1525	8.07*	Sesquiterpene
α -Selinene	26.20	1470	0.05	[0.13]	1630	11.25*	Sesquiterpene
Valencene	27.23	1482	0.01	0.01	1657	12.47	Sesquiterpene
δ -Cadinene	28.92	1503	0.03	0.03	1673	13.15	Sesquiterpene
β -Sinensal	39.61	1691	0.04	0.03	2127	37.83	Sesquiterp. aldehyde
α -Sinensal	41.56	1752	0.02	0.03	2230	40.69	Sesquiterp. aldehyde
Nootkatone	42.81	1791	0.02	0.01	2369	43.88	Sesquiterp. ketone
Total identified			99.01%	98.69%			

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

Note: no correction factor was applied

OTHER DATA

Physical aspect : Yellow liquid

Refractive index : 1.4730 ± 0.0003 (20 °C)

CONCLUSION

Method : PC-PA-001-15E06, "Analysis of the composition of a liquid essential oil by GC-FID" (in French).

Analyst : Sylvain Mercier, M. Sc., chimiste

Analysis date : 2018-10-02

No adulterant, contaminant or diluent were detected using this method.



