

Date : February 11, 2020

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 19L27-PTH01

Customer identification : Helichrysum Italicum ORGANIC - Herzegovina - H9010899R

Type : Essential oil

Source : *Helichrysum italicum*

Customer : Plant Therapy

ANALYSIS

Method: PC-MAT-007 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID (in French); identifications validated by GC-MS.

Analyst : Sylvain Mercier, M. Sc., Chimiste

Analysis date : February 11, 2020

Checked and approved by :



Alexis St-Gelais, M. Sc., chimiste 2013-174

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PHYSICOCHEMICAL DATA

Physical aspect: Light yellow liquid

Refractive index: 1.4766 ± 0.0003 (20 °C)

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

ANALYSIS SUMMARY – CONSOLIDATED CONTENTS

New readers of similar reports are encouraged to read table footnotes at least once.

Identification	%	Classe
2-Methyl-3-pentanone	tr	Aliphatic ketone
2-Methyl-2-heptene	tr	Alkene
4-Methyl-3-hexanone	0.01	Aliphatic ketone
Bornylene	0.01	Monoterpene
α -Thujene	tr	Monoterpene
α -Pinene	5.19	Monoterpene
Camphene	0.04	Monoterpene
α -Fenchene	0.08	Monoterpene
Thuja-2,4(10)-diene	0.01	Monoterpene
β -Pinene	0.14	Monoterpene
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
Myrcene	0.02	Monoterpene
<i>trans</i> -Dehydroxylinalool oxide	tr	Monoterpenic ether
6-Methyl-5-hepten-2-ol	tr	Aliphatic alcohol
2-Carene	0.01	Monoterpene
α -Phellandrene	0.01	Monoterpene
Unknown	0.01	Monoterpene
Isobutyl 2-methylbutyrate	0.03	Aliphatic ester
(3 <i>Z</i>)-Hexenyl acetate	0.01	Aliphatic ester
α -Terpinene	0.07	Monoterpene
para-Methylanisole	0.01	Simple phenolic
para-Cymene	0.12	Monoterpene
Limonene	1.19	Monoterpene
1,8-Cineole	0.18	Monoterpenic ether
β -Phellandrene	0.01	Monoterpene
(<i>Z</i>)- β -Ocimene	0.01	Monoterpene
(<i>E</i>)- β -Ocimene	0.01	Monoterpene
Isobutyl angelate	0.15	Aliphatic ester
γ -Terpinene	0.21	Monoterpene
Octanol	tr	Aliphatic alcohol
Terpinolene	0.09	Monoterpene
2-Nonanone	0.03	Aliphatic ketone
2,4-Dimethylheptane-3,5-dione	0.04	β -Diketone
Linalool	0.51	Monoterpenic alcohol
Nonanal	0.04	Aliphatic aldehyde
2-Methylbutyl 2-methylbutyrate	0.08	Aliphatic ester
endo-Fenchol	0.07	Monoterpenic alcohol
α -Campholenal	0.03	Monoterpenic aldehyde
<i>trans</i> -Pinocarveol	0.05	Monoterpenic alcohol
<i>trans</i> -Verbenol	0.03	Monoterpenic alcohol
para-Vinylanisole	0.02	Simple phenolic
Nerol oxide	0.02	Aliphatic ether
Isoamyl angelate	0.64*	Aliphatic ester
2-Methylbutyl angelate	[0.64]*	Aliphatic ester
Borneol	0.06	Monoterpenic alcohol
Unknown	0.02	Aliphatic ester
Terpinen-4-ol	0.20	Monoterpenic alcohol

4,6-Dimethyloctane-3,5-dione epimer I	0.15	β -Diketone
4,6-Dimethyloctane-3,5-dione epimer II	0.16	β -Diketone
α -Terpineol	0.23	Monoterpenic alcohol
Myrtenol	0.01	Monoterpenic alcohol
2-Methylbutyl tiglate	0.02	Aliphatic ester
Unknown	0.02	Unknown
Decanal	0.05	Aliphatic aldehyde
Unknown	0.01	β -Diketone
Hexyl 2-methylbutyrate	0.02	Aliphatic ester
Nerol	0.18	Monoterpenic alcohol
Hexyl isovalerate	0.04	Aliphatic ester
Isoamyl hexanoate	0.01	Aliphatic ester
3-Methylpentyl angelate	0.02	Aliphatic ester
Unknown	0.01	Aliphatic ester
Unknown	0.01	Aliphatic ester
Linalyl acetate	0.03	Monoterpenic ester
(3Z)-Hexenyl angelate	0.03	Aliphatic ester
Hexyl angelate	0.32	Aliphatic ester
2-Undecanone	0.04	Aliphatic ketone
2-Acetyl-para-cresol?	0.03	Simple phenolic
Tridecane	0.01	Alkane
Hexyl tiglate	0.01	Aliphatic ester
Bicycloelemene	0.04	Sesquiterpene
α -Terpinyl acetate	0.25	Monoterpenic ester
Cyclosativene I	0.08	Sesquiterpene
Cyclosativene II	0.28	Sesquiterpene
Neryl acetate	30.71	Monoterpenic ester
Italicene isomer	0.80	Sesquiterpene
α -Copaene	1.45	Sesquiterpene
α -Ylangene	0.09	Sesquiterpene
Geranyl acetate	0.46	Monoterpenic ester
Hexyl hexanoate	0.03	Aliphatic ester
α -Funebrene	0.17	Sesquiterpene
Isoitalicene	0.14	Sesquiterpene
Isocaryophyllene	0.02	Sesquiterpene
Tetradecane	0.02	Alkane
α -Gurjunene	0.04	Sesquiterpene
α -Cedrene	0.03	Sesquiterpene
β -Caryophyllene	4.15	Sesquiterpene
β -Ylangene	0.04	Sesquiterpene
<i>cis</i> - α -Bergamotene	0.93	Sesquiterpene
β -Copaene	0.05	Sesquiterpene
<i>trans</i> - α -Bergamotene	0.90	Sesquiterpene
Italidione I (4,6,9-Trimethyldec-8-ene-3,5-dione)	2.19	β -Diketone
6,9-Guaiadiene	0.13	Sesquiterpene
Unknown	0.06	Sesquiterpene
Cadina-4,11-diene	0.15	Sesquiterpene
α -Humulene	0.13	Sesquiterpene
Neryl propionate	0.29	Monoterpenic ester
α -Acoradiene	0.31	Sesquiterpene
allo-Aromadendrene	0.12	Sesquiterpene
(E)- β -Farnesene	0.60	Sesquiterpene

β-Acoradiene	0.45	Sesquiterpene
4,5-diepi-Aristolochene	0.39	Sesquiterpene
Unknown	0.14	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.15	Sesquiterpene
Selina-4,11-diene	0.71	Sesquiterpene
α-Amorphene	0.37	Sesquiterpene
β-Selinene	5.29	Sesquiterpene
γ-Curcumene	10.13	Sesquiterpene
Italidione II isomer I (2,4,6,9-Tetramethyldec-8-ene-3,5-dione)	2.74	β-Diketone
ar-Curcumene	2.53	Sesquiterpene
Italidione II isomer II (5,7,10-Trimethylundec-9-ene-4,6-dione)	1.96	β-Diketone
α-Selinene	3.79	Sesquiterpene
Eudesma-2,4(15),11-triene	0.22	Sesquiterpene
Italidione II analog	0.42	β-Diketone
δ-Amorphene	0.40	Sesquiterpene
7-epi-α-Selinene	0.38	Sesquiterpene
10-epi-Italicene ether	0.07	Sesquiterpenic ether
β-Bisabolene	0.08	Sesquiterpene
γ-Cadinene	0.11	Sesquiterpene
β-Curcumene	0.82	Sesquiterpene
<i>cis</i> -Calamenene?	0.01	Sesquiterpene
Sesquicineole	0.37	Sesquiterpenic ether
<i>trans</i> -Calamenene	0.03	Sesquiterpene
δ-Cadinene	0.55	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.21	Sesquiterpene
Italicene ether	0.09	Sesquiterpenic ether
(<i>E</i>)-γ-Bisabolene	0.13	Sesquiterpene
α-Cadinene	0.08	Sesquiterpene
Selina-3,7(11)-diene	0.04	Sesquiterpene
(<i>E</i>)-α-Bisabolene	0.16	Sesquiterpene
Caryophyllenyl alcohol	0.02	Sesquiterpenic alcohol
(<i>E</i>)-Nerolidol	0.04	Sesquiterpenic alcohol
Caryophyllene oxide	0.65*	Sesquiterpenic ether
Caryophyllene oxide isomer	[0.65]*	Sesquiterpenic ether
Italidione III isomer I	[0.65]*	β-Diketone
Italidione III isomer II	0.75	β-Diketone
Italidione III isomer III	0.28	β-Diketone
Guaiol	0.28	Sesquiterpenic alcohol
Copaborneol	0.30	Sesquiterpenic alcohol
Unknown	0.14	Oxygenated sesquiterpene
Unknown	0.10	Oxygenated sesquiterpene
Unknown	0.18	Unknown
Neryl angelate?	0.12	Monoterpenic ester
1-epi-Cubenol	0.09	Sesquiterpenic alcohol
γ-Eudesmol	0.05	Sesquiterpenic alcohol
Caryophylladienol I	0.05	Sesquiterpenic alcohol
τ-Cadinol	0.03	Sesquiterpenic alcohol
τ-Muurolol	0.04	Sesquiterpenic alcohol
β-Eudesmol	0.11	Sesquiterpenic alcohol
Selin-11-en-4α-ol	0.19	Sesquiterpenic alcohol

α-Eudesmol	0.06	Sesquiterpenic alcohol
Bulnesol	0.04	Sesquiterpenic alcohol
β-Bisabolol	0.20	Sesquiterpenic alcohol
α-Bisabolol	0.01	Sesquiterpenic alcohol
epi-α-Bisabolol	0.02	Sesquiterpenic alcohol
Neryl 4-methylvalerate?	0.06	Monoterpenic ester
Unknown	0.06	Unknown
Geranyl 4-methylvalerate?	0.04	Monoterpenic ester
Unknown	0.13	Oxygenated sesquiterpene
Unknown	0.03	Oxygenated sesquiterpene
Unknown	0.06	Oxygenated sesquiterpene
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.02	Oxygenated sesquiterpene
Unknown	0.05	Oxygenated sesquiterpene
Unknown	0.07	Oxygenated sesquiterpene
Unknown	0.12	Oxygenated sesquiterpene
Unknown	0.21	Oxygenated sesquiterpene
Unknown	0.18	Unknown
Consolidated total	93.20%	

*: Individual compounds concentration could not be found due to overlapping coelutions on columns considered [xx]: Duplicate percentage due to coelutions, not taken into account in the consolidated total

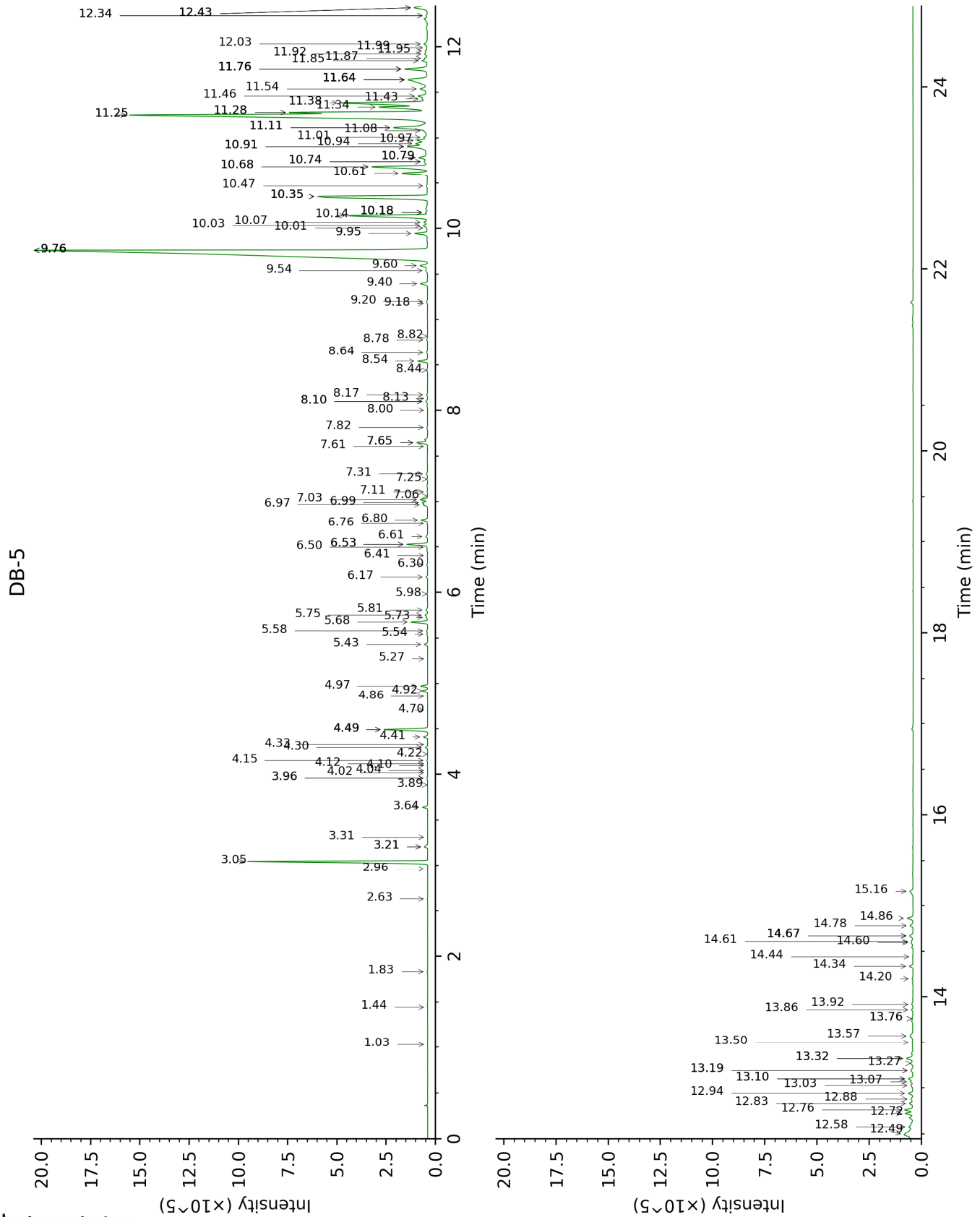
tr: The compound has been detected below 0.005% of total signal.

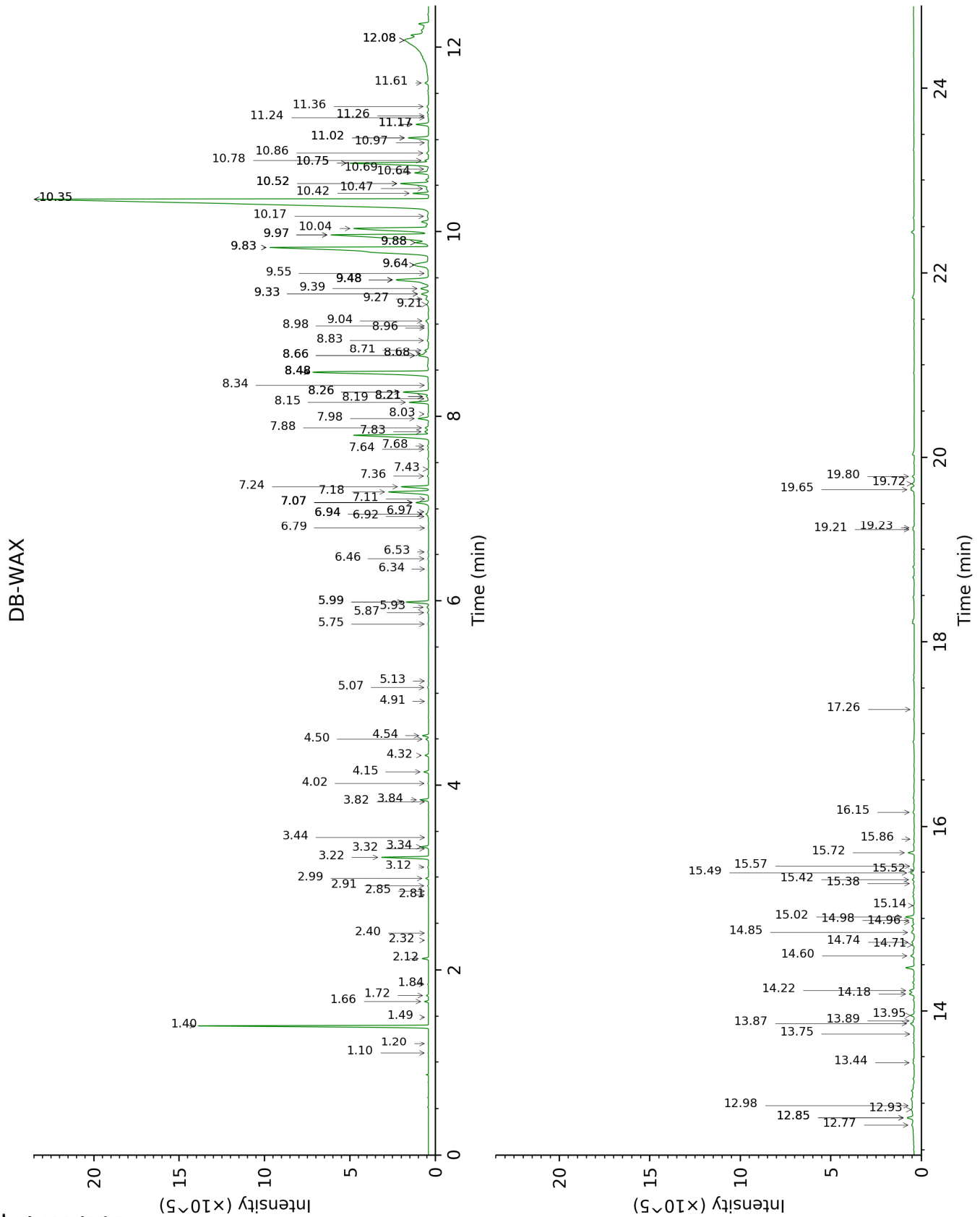
Note: no correction factor was applied

About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm is set to prioritize data from the most standard DB-5 column, and smallest values so as to avoid overestimating individual content. This process is semi-automatic. Advanced users are invited to consult the "Full analysis data" table after the chromatograms in this report to access the full untreated data and perform their own calculations if needed.

Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

This page was intentionally left blank. The following pages present the complete data of the analysis.





FULL ANALYSIS DATA

Identification	Column DB-5			Column DB-WAX		
	R.T	R.I	%	R.T	R.I	%
2-Methyl-3-pentanone	1.03	746	tr	1.20	958	tr
2-Methyl-2-heptene	1.44	804	tr			
4-Methyl-3-hexanone	1.83	836	0.01	1.84	1036	0.01
Bornylene	2.63	902	0.01	1.10	942	tr
α -Thujene	2.96	924	tr	1.49	1001	tr
α -Pinene	3.05	930	5.19	1.40	991	5.29
Camphene	3.21*	940	0.12	1.72	1024	0.04
α -Fenchene	3.21*	940	[0.12]	1.66	1018	0.08
Thuja-2,4(10)-diene	3.31	947	0.01	2.32	1084	0.01
β -Pinene	3.64	969	0.14	2.12	1064	0.14
6-Methyl-5-hepten-2-one	3.89	985	0.01	5.13	1296	0.01
Myrcene	3.96*	990	0.03	2.91	1132	0.02
<i>trans</i> -Dehydroxylinalool oxide	3.96*	990	[0.03]	3.44	1173	tr
6-Methyl-5-hepten-2-ol	4.02	994	tr	7.07*	1436	0.44
2-Carene	4.04	996	0.01	2.40	1091	0.01
α -Phellandrene	4.10	999	0.01	2.81	1124	0.01
Unknown [m/z = 123, 43 (16), 152 (14), 124 (9), 137 (6)]	4.12	1001	0.01	2.85	1127	tr
Isobutyl 2-methylbutyrate	4.15	1003	0.03	3.12	1148	0.02
(3Z)-Hexenyl acetate	4.22	1008	0.01	4.91	1281	0.01
α -Terpinene	4.30	1012	0.07	2.99	1138	0.07
para-Methylanisole	4.33	1014	0.01	6.34	1383	0.01
para-Cymene	4.41	1019	0.12	4.15	1226	0.12
Limonene	4.49*	1025	1.35	3.22	1156	1.19
1,8-Cineole	4.49*	1025	[1.35]	3.34	1165	0.18
β -Phellandrene	4.49*	1025	[1.35]	3.32	1164	0.01
(Z)- β -Ocimene	4.70	1038	0.01	3.82	1202	0.01
(E)- β -Ocimene	4.86	1048	0.01	4.02	1217	0.02
Isobutyl angelate	4.92	1052	0.15	4.54	1254	0.16
γ -Terpinene	4.97	1055	0.21	3.84	1204	0.22
Octanol	5.27	1074	tr	8.26*	1526	0.93
Terpinolene	5.43	1085	0.09	4.32	1239	0.09
2-Nonanone	5.54	1092	0.03	5.87	1349	0.03
2,4-Dimethylheptane-	5.58	1094	0.04	7.64	1479	0.03

3,5-dione						
Linalool	5.68	1100	0.51	8.15	1518	0.53
Nonanal	5.73	1104	0.04	5.93	1354	0.05
2-Methylbutyl 2-methylbutyrate	5.75	1105	0.08	4.50	1252	0.08
endo-Fenchol	5.81	1109	0.07	8.48*	1542	5.17
α-Campholenal	5.98	1121	0.03	7.07*	1436	[0.44]
trans-Pinocarveol	6.17	1133	0.05	9.22	1600	0.08
trans-Verbenol	6.30	1142	0.03	9.55	1627	0.03
para-Vinylanisole	6.40	1148	0.02	9.48*	1621	1.71
Nerol oxide	6.50	1155	0.02	6.92	1425	0.02
Isoamyl angelate	6.53*	1157	0.64	5.99*	1358	0.63
2-Methylbutyl angelate	6.53*	1157	[0.64]	5.99*	1358	[0.63]
Borneol	6.61	1162	0.06	9.88*	1654	0.46
Unknown [m/z 83, 100 (34), 55 (33), 43 (21), 84 (21)...]	6.76	1172	0.02	5.75	1340	0.02
Terpinen-4-ol	6.80	1175	0.20	8.66*†	1556	0.52
4,6-Dimethyloctane-3,5-dione epimer I	6.97	1186	0.15	8.68*†	1558	[0.52]
4,6-Dimethyloctane-3,5-dione epimer II	6.99	1188	0.16	8.71	1561	0.14
α-Terpineol	7.02	1190	0.23	9.88*	1654	[0.46]
Myrtenol	7.06	1192	0.01	10.97	1743	0.01
2-Methylbutyl tiglate	7.11	1195	0.02	6.97	1429	0.03
Unknown [m/z 95, 93 (32), 121 (24), 79 (22), 91 (21), 105 (16)... 154 (2)]	7.25	1205	0.02	11.02*	1748	0.64
Decanal	7.31	1209	0.05	7.36	1458	0.04
Unknown [m/z 113, 57 (55), 85 (16), 170 (16)]	7.61	1230	0.01			
Hexyl 2-methylbutyrate	7.65*†	1233	0.45	6.53	1396	0.02
Nerol	7.65*†	1233	[0.45]	11.17*	1760	0.39
Hexyl isovalerate	7.82	1240	0.04	6.79	1416	0.01
Isoamyl hexanoate	8.00	1253	0.01	6.94*	1427	0.09
3-Methylpentyl angelate	8.10*	1259	0.06	7.43	1463	0.02
Unknown [m/z 83, 55 (29), 57 (24), 100 (21), 104 (13)...]	8.10*	1259	[0.06]	6.94*	1427	[0.09]
Unknown [m/z 83, 55 (30), 57 (23),	8.13	1262	0.01	7.11	1439	tr

100 (20), 98 (14)...						
Linalyl acetate	8.17	1264	0.03	8.21*	1522	0.07
(3Z)-Hexenyl angelate	8.44	1282	0.03	8.34	1532	0.02
Hexyl angelate	8.54	1289	0.32	7.98	1504	0.32
2-Undecanone	8.64	1295	0.04	8.68*†	1558	[0.52]
2-Acetyl-para-cresol?	8.78	1305	0.03			
Tridecane	8.82	1307	0.01	5.06	1293	0.03
Hexyl tiglate	9.18	1332	0.01	8.98	1582	0.01
Bicycloelemene	9.20	1334	0.04	7.07*	1436	[0.44]
α-Terpinyl acetate	9.40	1348	0.25	9.83*	1649	10.38
Cyclosativene I	9.54	1358	0.08	6.94*	1427	[0.09]
Cyclosativene II	9.60	1362	0.28	7.07*	1436	[0.44]
Neryl acetate	9.76*	1373	33.54	10.35*	1691	31.53
Italicene isomer	9.76*	1373	[33.54]	7.24	1449	0.80
α-Copaene	9.76*	1373	[33.54]	7.18	1445	1.45
α-Ylangene	9.76*	1373	[33.54]	7.07*	1436	[0.44]
Geranyl acetate	9.95	1386	0.46	10.64	1716	0.47
Hexyl hexanoate	10.01	1390	0.03	8.96	1580	0.02
α-Funebrene	10.03	1392	0.17	7.88	1496	0.13
Isoitalicene	10.07	1395	0.14	7.83	1493	0.14
Isocaryophyllene	10.14†	1400	3.10	8.19	1520	0.02
Tetradecane	10.18*†	1402	[3.10]	6.46	1391	0.02
α-Gurjunene	10.18*†	1402	[3.10]	7.68	1482	0.04
α-Cedrene	10.18*†	1402	[3.10]	8.02	1508	0.03
β-Caryophyllene	10.35*	1415	5.13	8.48*	1542	[5.17]
β-Ylangene	10.35*	1415	[5.13]	8.21*	1522	[0.07]
cis-α-Bergamotene	10.35*	1415	[5.13]	8.26*	1526	[0.93]
β-Copaene	10.47	1424	0.05	8.48*	1542	[5.17]
trans-α-Bergamotene	10.61	1434	0.90	8.48*	1542	[5.17]
Italidione I (4,6,9-Trimethyldec-8-ene-3,5-dione)	10.68*	1440	2.32	12.08*	1838	6.97
6,9-Guaiadiene	10.68*	1440	[2.32]	8.66*†	1556	[0.52]
Unknown [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	10.74*	1444	0.19	8.83	1570	0.06
Cadina-4,11-diene	10.74*	1444	[0.19]	9.27	1604	0.15
α-Humulene	10.79*	1447	0.43	9.33*	1609	0.29
Neryl propionate	10.79*	1447	[0.43]	11.02*	1748	[0.64]
α-Acoradiene	10.91*	1456	1.03	9.39	1614	0.31
allo-Aromadendrene	10.91*	1456	[1.03]	9.04	1586	0.12
(E)-β-Farnesene	10.91*	1456	[1.03]	9.64*	1634	0.97
β-Acoradiene	10.94	1459	0.45	9.48*	1621	[1.71]
4,5-diepi-Aristolochene	10.98	1461	0.39	9.48*	1621	[1.71]
Unknown [m/z	11.01	1464	0.14	9.48*	1621	[1.71]

119, 91 (85), 93 (77), 105 (76), 79 (61), 134 (60), 94 (49), 204 (46)]						
<i>trans</i> -Cadina-1(6),4-diene	11.08	1469	0.15	9.33*	1609	[0.29]
Selina-4,11-diene	11.11*	1472	1.72	9.48*	1621	[1.71]
α -Amorphene	11.11*	1472	[1.72]	9.64*	1634	[0.97]
β -Selinene	11.25*†	1482	20.68	9.97*	1660	5.69
γ -Curcumene	11.25*†	1482	[20.68]	9.83*	1649	[10.38]
Italidione II isomer I (2,4,6,9-Tetramethyldec-8-ene-3,5-dione)	11.28*†	1484	[20.68]	12.08*	1838	[6.97]
<i>ar</i> -Curcumene	11.28*†	1484	[20.68]	10.75*†	1725	2.90
Italidione II isomer II (5,7,10-Trimethylundec-9-ene-4,6-dione)	11.34	1488	1.96	12.08*	1838	[6.97]
α -Selinene	11.38	1492	3.79	10.04	1666	3.71
Eudesma-2,4(15),11-triene	11.43	1495	0.22	11.17*	1760	[0.39]
Italidione II analog	11.46	1497	0.42	12.77	1900	0.33
δ -Amorphene	11.54	1503	0.40	9.97*	1660	[5.69]
7- <i>epi</i> - α -Selinene	11.64*	1511	1.46	10.52*	1706	1.07
10- <i>epi</i> -Italicene ether	11.64*	1511	[1.46]	11.36	1776	0.07
β -Bisabolene	11.64*	1511	[1.46]	10.17	1676	0.08
γ -Cadinene	11.64*	1511	[1.46]	10.47	1701	0.11
β -Curcumene	11.64*	1511	[1.46]	10.35*	1691	[31.53]
<i>cis</i> -Calamenene?	11.76*	1520	0.97	11.24	1766	0.01
Sesquicineole	11.76*	1520	[0.97]	10.42	1697	0.37
<i>trans</i> -Calamenene	11.76*	1520	[0.97]	11.26	1768	0.03
δ -Cadinene	11.76*	1520	[0.97]	10.52*	1706	[1.07]
<i>trans</i> -Cadina-1,4-diene	11.85	1527	0.21	10.75*†	1725	[2.90]
Italicene ether	11.87	1529	0.09	11.61	1798	0.16
(<i>E</i>)- γ -Bisabolene	11.92	1533	0.13	10.52*	1706	[1.07]
α -Cadinene	11.95	1536	0.08	10.86	1734	0.07
Selina-3,7(11)-diene	11.99	1538	0.04	10.68	1719	0.02
(<i>E</i>)- α -Bisabolene	12.03	1542	0.16	10.78†	1727	[2.90]
Caryophyllenyl alcohol	12.34*	1566	0.06	13.75	1990	0.02
(<i>E</i>)-Nerolidol	12.34*	1566	[0.06]	13.89	2003	0.04
Caryophyllene oxide	12.43*	1573	0.65	12.85*†	1907	1.08
Caryophyllene oxide isomer	12.43*	1573	[0.65]	12.85*†	1907	[1.08]
Italidione III isomer I	12.43*	1573	[0.65]	12.98†	1918	[1.08]

Italidione III isomer II	12.49	1578	0.75	12.93†	1915	[1.08]
Italidione III isomer III	12.58	1584	0.28			
Guaiol	12.72	1596	0.28	14.22	2034	0.18
Copaborneol	12.76	1599	0.30	15.02	2111	0.27
Unknown [m/z 43, 81 (97), 135 (71), 95 (62), 204 (61), 71 (59), 207 (56)... 222 (3)]	12.83	1604	0.14	14.60	2070	0.13
Unknown [m/z 179, 161 (66), 119 (44), 95 (38), 105 (35)... 204 (24), 222 (1)]	12.88	1608	0.10	14.74	2084	0.11
Unknown [m/z 182, 109 (58), 69 (50), 41 (42), 43 (40), 139 (31)... 235 (17), 250 (1)...]	12.94	1613	0.18	14.18	2031	0.17
Neryl angelate?	13.03	1620	0.12			
1-epi-Cubenol	13.07	1624	0.09	13.87	2000	0.14
γ-Eudesmol	13.10*	1626	0.17	14.98	2107	0.05
Caryophylladienol I	13.10*	1626	[0.17]	16.15	2225	0.05
τ-Cadinol	13.19*	1634	0.11	14.96	2105	0.03
τ-Muurolol	13.19*	1634	[0.11]	15.14	2123	0.04
β-Eudesmol	13.27	1640	0.11	15.49	2158	0.14
Selin-11-en-4α-ol	13.32*	1645	0.29	15.72	2180	0.19
α-Eudesmol	13.32*	1645	[0.29]	15.42	2151	0.06
Bulnesol	13.50	1659	0.04	15.38	2147	0.04
β-Bisabolol	13.57	1665	0.20	14.85	2094	0.13
α-Bisabolol	13.76*	1681	0.04	15.52	2161	0.01
epi-α-Bisabolol	13.76*	1681	[0.04]	15.57	2166	0.02
Neryl 4-methylvalerate?	13.86	1689	0.06	13.44	1961	0.05
Unknown [m/z 196, 69 (62), 109 (58), 41 (54), 139 (41)... 249 (21)...]	13.92	1694	0.06	14.71	2081	0.05
Geranyl 4-methylvalerate?	14.20	1718	0.04	13.95	2009	0.11
Unknown [m/z 43, 69 (32), 198 (29), 41 (27), 93 (26)... 202 (20)...]	14.34	1730	0.13			
Unknown [m/z 82, 125 (40), 41 (35), 69 (31), 67 (27)... 236? (t)]	14.44	1739	0.03	15.86	2195	0.02
Unknown [m/z	14.60	1752	0.06	19.23	2559	0.04

109, 127 (46), 138 (45), 81 (27), 123 (25)... 220? (2)]						
Unknown [m/z 136, 121 (74), 135 (55), 218 (36), 148 (33), 40 (42)... 236? (1)]	14.61	1753	0.05			
Unknown [m/z 96, 41 (29), 178 (28), 43 (27)... 236 (2)]	14.67*	1759	0.16	17.26	2341	0.02
Unknown [m/z 109, 138 (71), 82 (42), 123 (41), 127 (38)...]	14.67*	1759	[0.16]	19.21	2557	0.05
Unknown [m/z 109, 127 (46), 138 (45), 82 (34), 81 (31)... 236? (t)]	14.67*	1759	[0.16]	19.72	2616	0.07
Unknown [m/z 109, 138 (75), 123 (45), 127 (42), 81 (30)...]	14.78	1768	0.12	19.80	2625	0.06
Unknown [m/z 98, 82 (77), 83 (42), 137 (37), 41 (28)... 238 (1)]	14.86	1776	0.21	19.65	2608	0.21
Unknown [m/z 43, 82 (69), 41 (66), 93 (62), 96 (55), 55 (49), 67 (45), 154 (44)...]	15.16	1801	0.18			
Total identified		96.29%			91.36%	
Total reported		97.75%			92.38%	

*: Two or more compounds are coeluting on this column

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

†: Peaks apexes were resolved, but peaks overlapped and were summed for analysis

tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

R.T.: Retention time (minutes)

R.I.: Retention index