

Date : 2024-03-12

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 24B27-PTH12

Customer Identification : Fantastic Franks - FK0103R

Type : Essential Oil

Source : Blend of oils - Fantastic Frank's (PTH)

Customer : Plant Therapy

Checked and approved by:

Alexis St-Gelais, Ph. D., Chimiste 2013-174

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GAS CHROMATOGRAPHIC ANALYSIS

Method : PC-MAT-014 - Analysis of the composition of an essential oil or other volatile liquide by FAST GC-FID

***ISO**

Results : See analysis summary (next page)

Analyst : Alexis St-Gelais, Ph. D., Chimiste 2013-174

Date : 2024-03-12

PHYSICOCHEMICAL DATA

Refractive index : 1.4739 ± 0.0003 (20 °C)

Method : PC-MAT-016 - Measure of the refractive index of a liquid.

Analyst : Cindy Caron B. Sc.

Date : 2024-02-28

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	%	Class
3-Methyl-2-butanone	tr	Aliphatic ketone
Toluene	0.04	Simple phenolic
Furfural	0.01	Furan
Unknown	0.01	Unknown
Unknown	0.01	Unknown
Hashishene	0.09	Monoterpene
Tricyclene	0.04	Monoterpene
α -Thujene	8.98	Monoterpene
α -Pinene	31.18	Monoterpene
Unknown	0.17	Monoterpene
Camphene	0.42	Monoterpene
α -Fenchene	0.02	Monoterpene
Thuja-2,4(10)-diene	0.16	Monoterpene
5-Methylfurfural	0.02	Furan
3,7,7-Trimethylcyclohepta-1,3,5-triene	0.03	Monoterpene
Sabinene	4.52	Monoterpene
β -Pinene	2.90	Monoterpene
Unknown	0.04	Monoterpene
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
Dehydro-1,8-cineole	0.03	Monoterpenic ether
Myrcene	3.20	Monoterpene
α -Phellandrene	1.55	Monoterpene
Pseudolimonene	0.10	Monoterpene
Δ^3 -Carene	0.90	Monoterpene
α -Terpinene	0.32	Monoterpene
Hexyl acetate	0.04	Aliphatic ester
<i>meta</i> -Cymene	0.04	Monoterpene
<i>para</i> -Cymene	3.78	Monoterpene
β -Phellandrene	0.30	Monoterpene
Limonene	13.16	Monoterpene
1,8-Cineole	0.41	Monoterpenic ether
<i>ortho</i> -Cymene	0.02	Monoterpene
(Z)- β -Ocimene	0.11	Monoterpene
(E)- β -Ocimene	0.11	Monoterpene
γ -Terpinene	0.54	Monoterpene
<i>cis</i> -Sabinene hydrate	0.01	Monoterpenic alcohol
Unknown	0.09	Oxygenated monoterpene
Octanol	0.44	Aliphatic alcohol
<i>para</i> -Cymenene	0.10	Monoterpene
<i>trans</i> -Linalool oxide (fur.)	0.02	Monoterpenic alcohol

Terpinolene	0.11	Monoterpene
6,7-Epoxyterpinene	0.03	Monoterpenic ether
<i>trans</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
α -Thujone	0.02	Monoterpenic ketone
Linalool	0.27	Monoterpenic alcohol
Nonanal	0.01	Aliphatic aldehyde
Verbenol analog?	0.03	Monoterpenic alcohol
β -Thujone	0.10	Monoterpenic ketone
<i>cis-para</i> -Menth-2-en-1-ol	0.03	Monoterpenic alcohol
α -Campholenal	0.07	Monoterpenic aldehyde
<i>cis</i> -Limonene oxide	0.02	Monoterpenic ether
allo-Ocimene	0.01	Monoterpene
<i>trans</i> -Limonene oxide	0.01	Monoterpenic ether
<i>trans</i> -Pinocarveol	0.21	Monoterpenic alcohol
<i>trans-para</i> -Menth-2-en-1-ol	0.01	Monoterpenic alcohol
<i>trans</i> -Sabinol	0.05	Monoterpenic alcohol
<i>trans</i> -Verbenol	0.09	Monoterpenic alcohol
<i>meta</i> -Mentha-4,6-dien-8-ol	0.12	Monoterpenic alcohol
Pinocamphone	0.03	Monoterpenic ketone
Phellandrenol analog I	0.01	Monoterpenic alcohol
Borneol	0.06	Monoterpenic alcohol
α -Phellandren-8-ol	0.22	Monoterpenic alcohol
<i>cis</i> -Sabinol	0.02	Monoterpenic alcohol
Unknown	0.05	Oxygenated monoterpene
Terpinen-4-ol	0.67	Monoterpenic alcohol
Cryptone	0.03	Normonoterpenic ketone
<i>meta</i> -Cymen-8-ol	0.01	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.07	Monoterpenic alcohol
α -Terpineol	0.31	Monoterpenic alcohol
Myrtenal	0.10	Monoterpenic aldehyde
Myrtenol	0.04	Monoterpenic alcohol
Methylchavicol	0.14	Phenylpropanoid
<i>cis</i> - α -Phellandrene epoxide (iPr vs Me)	0.15	Monoterpenic ether
Verbenone	0.18	Monoterpenic ketone
Decanal	0.01	Aliphatic aldehyde
Octyl acetate	5.06	Aliphatic ester
<i>trans</i> -Carveol	0.11	Monoterpenic alcohol
<i>cis</i> -Carveol	0.06	Monoterpenic alcohol
Cuminal	0.03	Monoterpenic aldehyde
Neral	0.02	Monoterpenic aldehyde
Carvone	0.09	Monoterpenic ketone
Carvotanacetone	0.10	Monoterpenic ketone
Piperitone	0.06	Monoterpenic ketone
(2 <i>E</i>)-Decenal	0.01	Aliphatic aldehyde
3,5-Dimethoxytoluene	0.03	Simple phenolic

Phellandral	0.05	Monoterpenic aldehyde
Bornyl acetate	0.21	Monoterpenic ester
Undecanal	0.03	Aliphatic aldehyde
(2E,4E)-Decadienal	0.08	Aliphatic aldehyde
<i>para</i> -Mentha-1,4-dien-7-ol	0.02	Monoterpenic alcohol
Bicycloelemene	0.04	Sesquiterpene
α -Cubebene	0.19	Sesquiterpene
Cyclosativene II	0.01	Sesquiterpene
Neryl acetate	0.02	Monoterpenic ester
α -Ylangene	0.03	Sesquiterpene
α -Copaene	0.61	Sesquiterpene
β -Bourbonene	0.12	Sesquiterpene
Geranyl acetate	0.03	Monoterpenic ester
Hexyl hexanoate	0.02	Aliphatic ester
β -Cubebene	0.03	Sesquiterpene
β -Elemene	0.71	Sesquiterpene
Ethyl decanoate	0.01	Aliphatic ester
Isocaryophyllene	0.03	Sesquiterpene
α -Gurjunene	0.07	Sesquiterpene
β -Caryophyllene	3.07	Sesquiterpene
β -Copaene	0.05	Sesquiterpene
Aromadendrene	0.13	Sesquiterpene
<i>trans</i> - α -Bergamotene	tr	Sesquiterpene
<i>trans</i> -Muurolo-3,5-diene	0.09	Sesquiterpene
α -Humulene	0.55	Sesquiterpene
allo-Aromadendrene	0.12	Sesquiterpene
(E)- β -Farnesene	0.04	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.14	Sesquiterpene
γ -Muurolole	0.26	Sesquiterpene
Germacrene D	0.08	Sesquiterpene
β -Selinene	0.35	Sesquiterpene
δ -Selinene	0.07	Sesquiterpene
Valencene	0.07	Sesquiterpene
α -Selinene	0.38	Sesquiterpene
α -Muurolole	0.17	Sesquiterpene
(3E,6E)- α -Farnesene	0.04	Sesquiterpene
γ -Cadinene	0.42	Sesquiterpene
Zonarene	0.11	Sesquiterpene
δ -Cadinene	0.91	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.07	Sesquiterpene
α -Cadinene	0.04	Sesquiterpene
α -Calacorene	0.05	Sesquiterpene
α -Elemol	0.05	Sesquiterpenic alcohol
Germacrene B	0.04	Sesquiterpene
Palustrol	0.02	Sesquiterpenic alcohol

Unknown	0.01	Oxygenated sesquiterpene
Spathulenol	0.07	Sesquiterpenic alcohol
Caryophyllene oxide	0.27	Sesquiterpenic ether
Caryophyllene oxide isomer	0.03	Sesquiterpenic ether
Viridiflorol	0.15	Sesquiterpenic alcohol
Humulene epoxide I	0.02	Sesquiterpenic ether
Copaborneol	0.06	Sesquiterpenic alcohol
Humulene epoxide II	0.05	Sesquiterpenic ether
10-epi- γ -Eudesmol	0.03	Sesquiterpenic alcohol
1,10-diepi-Cubenol	tr	Sesquiterpenic alcohol
4,10-diepi-Guaiol	0.09	Sesquiterpenic alcohol
1-epi-Cubenol	0.07	Sesquiterpenic alcohol
Caryophylladienol I	0.02	Sesquiterpenic alcohol
Caryophylladienol II	0.03	Sesquiterpenic alcohol
τ -Cadinol	0.44	Sesquiterpenic alcohol
τ -Muurolol	0.04	Sesquiterpenic alcohol
α -Muurolol	0.03	Sesquiterpenic alcohol
β -Eudesmol	0.06	Sesquiterpenic alcohol
α -Eudesmol	0.04	Sesquiterpenic alcohol
α -Cadinol	0.04	Sesquiterpenic alcohol
(3Z)-Caryophylla-3,8(13)-dien-5 β -ol	0.06	Sesquiterpenic alcohol
α -Phellandrene dimer II	0.08	Diterpene
α -Phellandrene dimer III	0.02	Diterpene
α -Phellandrene dimer IV	0.02	Diterpene
(3E)-Cembrene A	0.22	Diterpene
<i>para</i> -Camphorene	0.03	Diterpene
Verticilla-4(20),7,11-triene	0.03	Diterpene
Cembrenol	0.17	Diterpenic alcohol
Incensole	0.65	Diterpenic alcohol
Serratol	0.84	Diterpenic alcohol
Incensyl acetate	0.17	Diterpenic ester
24-Noroleana-3,12-diene?	0.18	Nortriterpene
24-Norursa-3,12-dien-11-one?	0.37	Nortriterpenic ketone
Consolidated total	96.79	

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

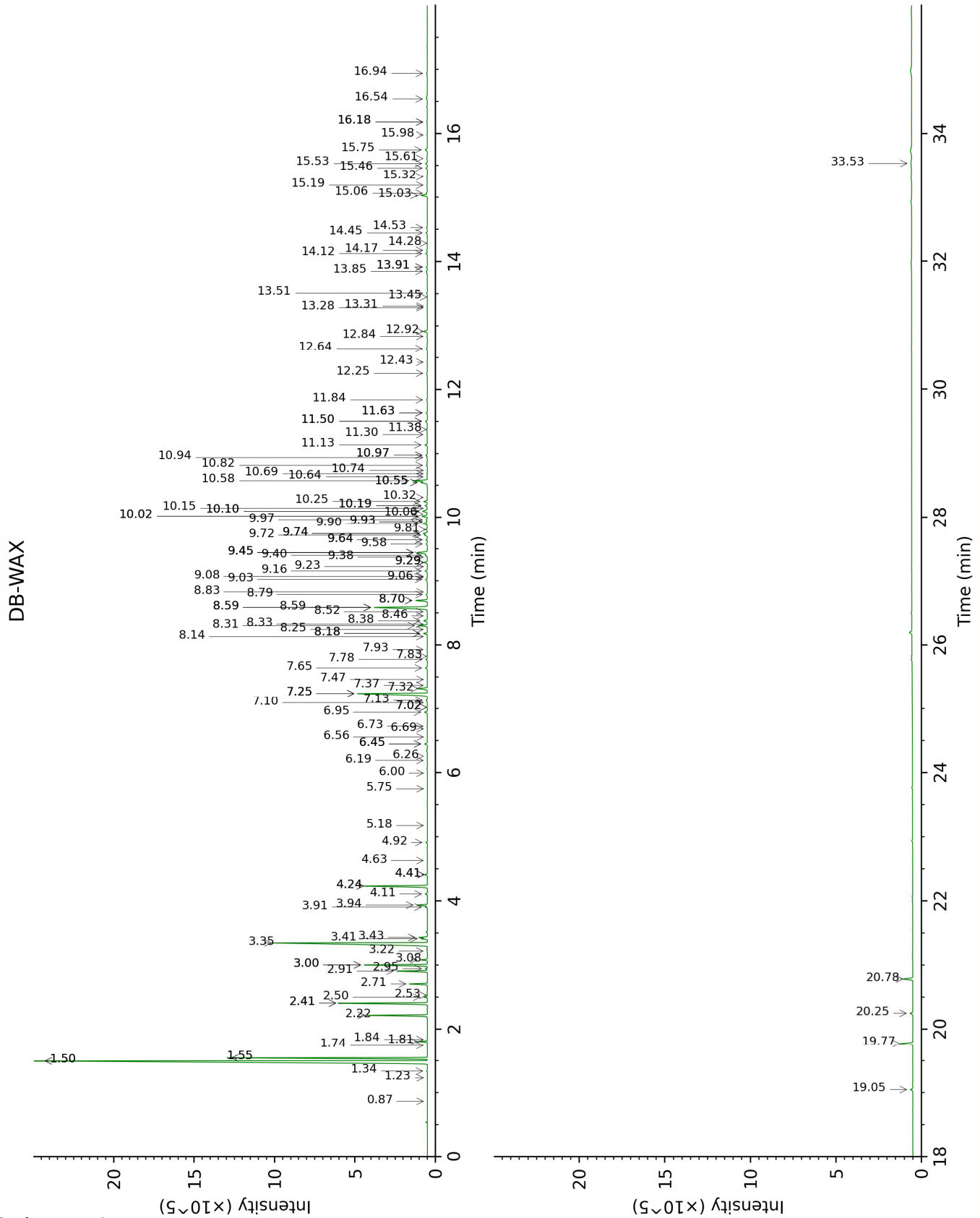
Note: no correction factor was applied

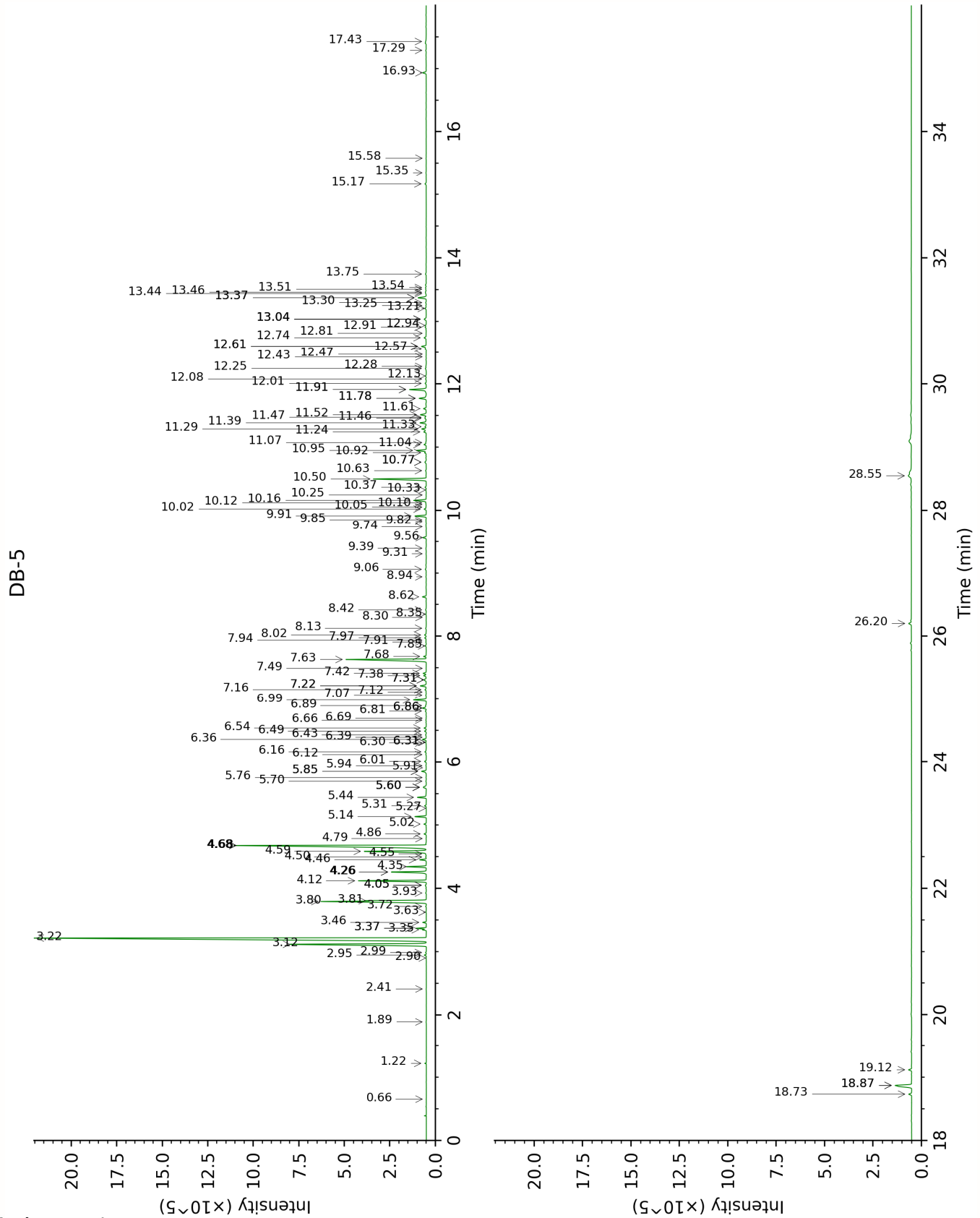
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm 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.

Bracketed value ([xx]): A bracketed percent value indicate that two or more compound percentage could not be solved due to coelution.

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FULL ANALYSIS DATA

3-Methyl-2-butanone	Column DB-WAX			Column DB-5		
	0.87	900.5	tr	0.66	646.5	tr
Toluene	1.55*	1004.1	[8.96]	1.22	759.4	0.04
Furfural	6.73	1404.6	0.03	1.89	832.7	0.01
Unknown BOCA II [m/z 79, 78 (45), 91 (28), 77 (28), 41 (13), 80 (12), 107 (11)... 122 (1)]	1.23	957.7	0.01	2.41	875.5	0.01
Unknown FRAG XC [m/z 69, 93 (91), 41 (88), 79 (22), 40 (20), 91 (17)...]	1.84	1031.7	0.01	2.90	913.6	0.01
Hashishene	1.50*	997.4	[30.96]	2.95	916.7	0.09
Tricyclene	1.34	973.5	0.04	2.99	919.3	0.04
α -Thujene	1.55*	1004.1	[8.96]	3.12	927.9	8.98
α -Pinene	1.50*	997.4	[30.96]	3.22	934.4	31.18
Unknown SAOF I [m/z 91, 92 (47), 65 (11)... 134 (1)]	2.50	1094.3	0.16	3.35	943.0	0.17
Camphene	1.81	1028.9	0.42	3.37*	944.6	[0.43]
α -Fenchene	1.74	1022.6	0.02	3.37*	944.6	[0.43]
Thuja-2,4(10)-diene	2.41*	1085.6	[4.61]	3.46	950.7	0.16
5-Methylfurfural	8.18*	1513.8	[0.21]	3.63	961.3	0.02
3,7,7-Trimethylcyclohepta-1,3,5-triene	3.00*	1134.2	[3.21]	3.72	967.3	0.03
Sabinene	2.41*	1085.6	[4.61]	3.80*†	972.5	[5.70]
β -Pinene	2.22	1067.7	2.90	3.81*†	973.4	[1.72]
Unknown ORVU I [m/z 93, 79 (73), 67 (49), 95 (42), 91 (41), 121 (38)...]	2.53	1097.2	0.03	3.93	981.3	0.04
6-Methyl-5-hepten-2-one	5.18	1294.4	0.01	4.05*	989.4	[0.05]
Dehydro-1,8-cineole	3.22	1150.7	0.03	4.05*	989.4	[0.05]
Myrcene	3.00*	1134.2	[3.21]	4.12	994.0	3.20
α -Phellandrene	2.91	1126.9	1.55	4.26*	1003.1	[1.72]
Pseudolimonene	2.95	1129.8	0.10	4.26*	1003.1	[1.72]
Δ 3-Carene	2.71	1111.7	0.86	4.35	1008.6	0.90
α -Terpinene	3.08	1140.3	0.32	4.46	1015.4	0.32
Hexyl acetate	4.41*	1239.4	[0.15]	4.50	1018.1	0.04
<i>meta</i> -Cymene	4.24*	1226.6	[3.73]	4.55	1021.3	0.04
<i>para</i> -Cymene	4.24*	1226.6	[3.73]	4.59	1023.7	3.78

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β-Phellandrene	3.41	1165.4	0.30	4.68*	1029.5	[14.00]
Limonene	3.35	1160.4	13.16	4.68*	1029.5	[14.00]
1,8-Cineole	3.43	1166.9	0.41	4.68*	1029.5	[14.00]
<i>ortho</i> -Cymene	4.63	1255.1	0.01	4.79	1036.3	0.02
(Z)-β-Ocimene	3.91	1203.0	0.11	4.86	1040.9	0.11
(E)-β-Ocimene	4.11	1217.7	0.12	5.02	1050.7	0.11
γ-Terpinene	3.94	1205.3	0.59	5.14	1058.1	0.54
<i>cis</i> -Sabinene hydrate	7.02*	1426.6	[0.03]	5.27	1066.3	0.01
Unknown PIMA I [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	4.92	1275.5	0.09	5.31	1068.7	0.09
Octanol	8.31	1523.4	0.52	5.44	1077.1	0.44
<i>para</i> -Cymenene	6.45*	1384.5	[0.19]	5.60*	1087.0	[0.25]
<i>trans</i> -Linalool oxide (fur.)	7.02*	1426.6	[0.03]	5.60*	1087.0	[0.25]
Terpinolene	4.41*	1239.4	[0.15]	5.60*	1087.0	[0.25]
6,7-Epoxyborneol	6.19	1366.1	0.03	5.70	1093.0	0.03
<i>trans</i> -Sabinene hydrate	8.14	1510.0	0.02	5.76	1096.7	0.02
α-Thujone	6.26	1370.8	0.02	5.85*	1102.8	[0.29]
Linalool	8.18*	1513.8	[0.21]	5.85*	1102.8	[0.29]
Nonanal	6.00	1351.7	0.01	5.91	1106.3	0.01
Verbenol analog?	8.46	1535.1	0.03	5.94	1108.4	0.03
β-Thujone	6.45*	1384.5	[0.19]	6.01	1112.8	0.10
<i>cis-para</i> -Menth-2-en- 1-ol	8.25	1518.6	0.03	6.12	1119.6	0.03
α-Campholenal	7.13	1434.8	0.09	6.16	1122.4	0.07
<i>cis</i> -Limonene oxide	6.56	1392.4	0.01	6.30	1131.4	0.02
allo-Ocimene	5.75	1334.2	0.01	6.31*	1132.0	[0.03]
<i>trans</i> -Limonene oxide	6.69	1401.7	0.01	6.31*	1132.0	[0.03]
<i>trans</i> -Pinocarveol	9.29*	1599.8	[0.22]	6.36	1134.9	0.21
<i>trans-para</i> -Menth-2- en-1-ol	9.08	1583.1	0.01	6.39	1137.1	0.01
<i>trans</i> -Sabinol	9.93*	1652.0	[0.08]	6.43	1139.5	0.05
<i>trans</i> -Verbenol	9.64*	1628.5	[0.10]	6.49	1143.3	0.09
<i>meta</i> -Mentha-4,6- dien-8-ol	9.45*	1612.3	[0.85]	6.54	1146.4	0.12
Pinocamphone	7.37	1452.9	0.02	6.66	1154.4	0.03
Phellandrenol analog I	10.15	1669.3	0.02	6.69	1156.3	0.01
Borneol	9.93*	1652.0	[0.08]	6.81	1163.6	0.06
α-Phellandren-8-ol	10.25	1678.0	0.22	6.86*	1166.6	[0.24]

<i>cis</i> -Sabinol	10.98*	1738.2	[0.10]	6.86*	1166.6	[0.24]
Unknown CALU III [m/z 95, 110 (43), 81 (28), 41 (15)... 152 (8)]	7.83	1486.8	0.03	6.89	1169.1	0.05
Terpinen-4-ol	8.70*	1553.7	[0.71]	6.99	1175.0	0.67
Cryptone	9.29*	1599.8	[0.22]	7.07	1180.2	0.03
<i>meta</i> -Cymen-8-ol	11.64*	1794.3	[0.08]	7.12	1183.4	0.01
<i>para</i> -Cymen-8-ol	11.64*	1794.3	[0.08]	7.16	1185.7	0.07
α -Terpineol	9.90	1649.4	0.31	7.22*	1189.7	[0.34]
Myrtenal	8.79	1561.0	0.10	7.22*	1189.7	[0.34]
Myrtenol	10.98*	1738.2	[0.10]	7.31*	1195.8	[0.18]
Methylchavicol	9.40	1608.8	0.14	7.31*	1195.8	[0.18]
<i>cis</i> - α -Phellandrene epoxide (iPr vs Me)	11.14	1751.8	0.16	7.38	1200.0	0.15
Verbenone	9.72	1634.6	0.18	7.42	1202.3	0.18
Decanal	7.47	1459.8	0.01	7.49	1207.4	0.01
Octyl acetate	7.24*	1443.3	[5.12]	7.63	1216.8	5.06
<i>trans</i> -Carveol	11.50*	1783.1	[0.15]	7.68	1220.0	0.11
<i>cis</i> -Carveol	11.84	1811.9	0.06	7.85	1231.1	0.06
Cuminal	10.69	1713.6	0.02	7.91	1235.3	0.03
Neral	9.64*	1628.5	[0.10]	7.94	1237.2	0.02
Carvone	10.19*	1672.7	[0.16]	7.98	1239.6	0.09
Carvotanacetone	9.58	1623.3	0.09	8.02	1242.7	0.10
Piperitone	10.06	1661.9	0.05	8.13	1249.8	0.06
(2 <i>E</i>)-Decenal	9.23	1594.8	0.01	8.30	1261.3	0.01
3,5- Dimethoxytoluene	11.50*	1783.1	[0.15]	8.35	1264.7	0.03
Phellandral	10.10*	1665.5	[0.39]	8.42	1269.2	0.05
Bornyl acetate	8.38	1529.2	0.26	8.62	1283.1	0.21
Undecanal	8.83	1564.2	0.03	8.94	1304.2	0.03
(2 <i>E</i> ,4 <i>E</i>)-Decadienal	11.38	1772.3	0.05	9.06	1312.4	0.08
<i>para</i> -Mentha-1,4- dien-7-ol	13.85	1994.1	0.08	9.31	1329.8	0.02
Bicyclolemene	7.24*	1443.3	[5.12]	9.39	1336.0	0.04
α -Cubebene	6.95	1421.0	0.18	9.56	1347.9	0.19
Cyclosativene II	7.10	1432.2	0.02	9.74	1360.1	0.01
Neryl acetate	10.32	1683.1	0.03	9.82	1366.3	0.02
α -Ylangene	7.24*	1443.3	[5.12]	9.85	1368.2	0.03
α -Copaene	7.32	1449.2	0.62	9.91	1372.7	0.61
β -Bourbonene	7.65	1473.2	0.13	10.02	1380.4	0.12
Geranyl acetate	10.74	1718.1	0.01	10.05	1382.5	0.03
Hexyl hexanoate	9.06	1581.9	0.02	10.10	1385.5	0.02
β -Cubebene	7.93	1494.6	0.04	10.12	1387.4	0.03
β -Elemene	8.59*	1545.3	[3.76]	10.16	1390.1	0.71
Ethyl decanoate	9.38	1606.5	0.02	10.25	1396.1	0.01

Isocaryophyllene	8.33	1525.1	0.02	10.33	1401.7	0.03
α -Gurjunene	7.78	1483.1	0.09	10.37	1404.8	0.07
β -Caryophyllene	8.59*	1545.3	[3.76]	10.50	1414.5	3.07
β -Copaene	8.52	1540.2	0.04	10.63	1424.3	0.05
Aromadendrene	8.70*	1553.7	[0.71]	10.77*	1434.2	[0.11]
<i>trans</i> - α -Bergamotene	8.59*	1545.3	[3.76]	10.77*	1434.2	[0.11]
<i>trans</i> -Muuroala-3,5-diene	9.03	1579.3	0.12	10.92	1445.5	0.09
α -Humulene	9.45*	1612.3	[0.85]	10.95	1448.0	0.55
allo-Aromadendrene	9.16	1589.6	0.15	11.04	1454.9	0.12
(<i>E</i>)- β -Farnesene	9.74*	1636.6	[0.28]	11.08	1457.2	0.04
<i>trans</i> -Cadina-1(6),4-diene	9.45*	1612.3	[0.85]	11.24	1469.8	0.14
γ -Muurolole	9.74*	1636.6	[0.28]	11.29	1473.3	0.26
Germacrene D	9.97	1654.8	0.09	11.33	1476.0	0.08
β -Selinene	10.02*	1659.3	[0.36]	11.39	1480.5	0.35
δ -Selinene	9.81	1641.6	0.11	11.46	1485.8	0.07
Valencene	10.02*	1659.3	[0.36]	11.48	1487.0	0.07
α -Selinene	10.10*	1665.5	[0.39]	11.52	1490.0	0.38
α -Muurolole	10.19*	1672.7	[0.16]	11.61	1497.2	0.17
(3 <i>E</i> ,6 <i>E</i>)- α -Farnesene	10.64	1709.5	0.04	11.78*	1509.5	[0.46]
γ -Cadinene	10.55*	1702.0	[0.47]	11.78*	1509.5	[0.46]
Zonarene	10.55*	1702.0	[0.47]	11.92*	1520.5	[1.02]
δ -Cadinene	10.58	1704.4	0.91	11.92*	1520.5	[1.02]
<i>trans</i> -Cadina-1,4-diene	10.82	1724.7	0.07	12.01	1528.1	0.07
α -Cadinene	10.94	1735.1	0.05	12.08	1533.5	0.04
α -Calacorene	12.25	1848.8	0.07	12.13	1537.2	0.05
α -Elemol	14.17	2025.1	0.05	12.25	1546.6	0.05
Germacrene B	11.30	1765.6	0.04	12.28	1549.1	0.04
Palustrol	12.43	1864.2	0.02	12.43	1561.1	0.02
Unknown BOCA V [m/z 152, 109 (61), 43 (21), 137 (16), 151 (16)... 222 (6)]				12.48	1564.4	0.01
Spathulenol	14.53	2059.2	0.07	12.57	1571.8	0.07
Caryophyllene oxide	12.92	1907.7	0.27	12.61*	1574.7	[0.30]
Caryophyllene oxide isomer	12.84	1900.5	0.03	12.61*	1574.7	[0.30]
Viridiflorol	14.12	2020.3	0.11	12.74	1585.4	0.15
Humulene epoxide I	13.31	1944.0	0.02	12.81	1590.9	0.02
Copaborneol	15.06	2110.8	0.08	12.91	1598.4	0.06
Humulene epoxide II	13.51	1962.6	0.06	12.94	1600.7	0.05
10-epi- γ -Eudesmol	14.28	2035.7	0.03	13.04*	1608.5	[0.15]

1,10-diepi-Cubenol	13.91*	2000.1	[0.07]	13.04*	1608.5	[0.15]
4,10-diepi-Guaiol	14.45	2051.2	0.09	13.04*	1608.5	[0.15]
1-epi-Cubenol	13.91*	2000.1	[0.07]	13.21	1622.6	0.07
Caryophylladienol I	16.18*	2223.9	[0.05]	13.25	1626.2	0.02
Caryophylladienol II	16.18*	2223.9	[0.05]	13.30	1630.1	0.03
τ-Cadinol	15.03	2107.6	0.44	13.37*	1636.4	[0.49]
τ-Muurolol	15.19	2123.5	0.04	13.37*	1636.4	[0.49]
α-Muurolol	15.32	2137.0	0.04	13.44	1641.9	0.03
β-Eudesmol	15.53	2158.1	0.12	13.46	1643.5	0.06
α-Eudesmol	15.46	2150.9	0.09	13.51	1647.5	0.04
α-Cadinol	15.61	2166.0	0.05	13.54	1649.7	0.04
(3Z)-Caryophylla-3,8(13)-dien-5β-ol	16.94	2302.9	0.07	13.75	1667.2	0.06
α-Phellandrene dimer II	12.64	1883.4	0.08	15.17	1788.4	0.08
α-Phellandrene dimer III	13.28	1941.8	0.02	15.35	1804.5	0.02
α-Phellandrene dimer IV	13.45	1957.2	0.01	15.58	1825.3	0.02
(3E)-Cembrene A	15.75	2179.7	0.17	16.94	1950.2	0.22
para-Camphorene	15.98	2202.9	0.04	17.29	1983.9	0.03
Verticilla-4(20),7,11-triene	16.54	2261.3	0.07	17.43	1997.2	0.03
Cembrenol	20.25	2677.6	0.18	18.73	2127.2	0.17
Incensole	20.78	2743.1	0.65	18.87*	2141.6	[1.49]
Serratol	19.77	2620.8	0.84	18.87*	2141.6	[1.49]
Incensyl acetate	19.05	2536.3	0.17	19.12	2167.2	0.17
24-Noroleana-3,12-diene?				26.20	3026.2	0.18
24-Norursa-3,12-dien-11-one?	33.53	3978.0	0.20	28.55	3265.6	0.37
Total reported		95.89%			96.97%	

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, only the first one is 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