

Date : April 12, 2022

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 22D05-PTH03

Customer identification : Geranium Egyptian ORGANIC - Egypt - GI0108R

Type : Essential oil

Source : *Pelargonium x asperum* ct. Egyptian

Customer : Plant Therapy

ANALYSIS

Method: PC-MAT-014  - Analysis of the composition of an essential oil or other volatile liquid by FAST GC-FID (in French); identifications validated by GC-MS.

Analyst : Pamela Lavoie, M.Sc., Chimiste

Analysis date : April 11, 2022

Checked and approved by :

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

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PHYSICOCHEMICAL DATA

Physical aspect: Light yellow liquid

Refractive index: 1.4675 ± 0.0003 (20 °C; method PC-MAT-016)

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
Ethanol	0.01	Aliphatic alcohol
Isobutyral	tr	Aliphatic aldehyde
Isovaleral	0.01	Aliphatic aldehyde
2-Methylbutyral	0.01	Aliphatic aldehyde
Isoamyl alcohol	0.02	Aliphatic alcohol
2-Methylbutanol	tr	Aliphatic alcohol
Toluene	tr	Simple phenolic
Isoamyl formate	tr	Aliphatic ester
Hexanal	0.01	Aliphatic aldehyde
(3E)-Hexenol	0.01	Aliphatic alcohol
3-Methylpentanol	0.04	Aliphatic alcohol
(3Z)-Hexenol	0.02	Aliphatic alcohol
Hexanol	0.01	Aliphatic alcohol
3-Acetyl-3-methylcyclopentene	0.01	Aliphatic ketone
3-Methylpentyl formate?	0.02	Aliphatic ester
α -Thujene	0.01	Monoterpene
α -Pinene	0.50	Monoterpene
Unknown	0.02	Unknown
α -Fenchene	0.01	Monoterpene
Camphene	0.01	Monoterpene
Benzaldehyde	0.01	Simple phenolic
Geranic oxide	0.05	Monoterpenic ether
β -Pinene	0.01	Monoterpene
Sabinene	0.01	Monoterpene
Octen-3-ol	0.01	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.07	Aliphatic ketone
<i>trans</i> -Dehydroxylinalool oxide	0.03	Monoterpenic ether
Myrcene	0.09	Monoterpene
6-Methyl-5-hepten-2-ol	0.01	Aliphatic alcohol
α -Phellandrene	0.07	Monoterpene
<i>cis</i> -Dehydroxylinalool oxide	0.03	Monoterpenic ether
α -Terpinene	0.01	Monoterpene
para-Cymene	0.08	Monoterpene
β -Phellandrene	0.01*	Monoterpene
1,8-Cineole	0.01*	Monoterpenic ether
Unknown	0.02	Unknown
Unknown	0.03	Unknown
Limonene	0.17	Monoterpene
(Z)- β -Ocimene	0.09	Monoterpene
(E)- β -Ocimene	0.10	Monoterpene
Unknown	0.02	Unknown
2,6-Dimethyl-5-heptenal (melonal)	0.01	Aliphatic aldehyde
Isobutyl angelate	0.01	Aliphatic ester
γ -Terpinene	0.02	Monoterpene
<i>cis</i> -Sabinene hydrate	0.01	Monoterpenic alcohol

Unknown	0.03	Oxygenated monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.20	Monoterpenic alcohol
Octanol	0.02	Aliphatic alcohol
Fenchone	0.03	Monoterpenic ketone
<i>trans</i> -Linalool oxide (fur.)	0.05	Monoterpenic alcohol
Terpinolene	0.03	Monoterpene
para-Cymenene	0.04	Monoterpene
<i>trans</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
Linalool	4.45	Monoterpenic alcohol
(<i>Z</i>)-6-Methyl-3,5-heptadien-2-one	0.03	Aliphatic ketone
<i>cis</i> -Rose oxide	0.92	Monoterpenic ether
Phenylethyl alcohol	0.09	Simple phenolic
<i>trans</i> -Rose oxide	0.43	Monoterpenic ether
Unknown	0.02	Unknown
Unknown	0.08	Oxygenated normonoterpene
Isopulegol	0.04	Monoterpenic alcohol
Menthone	1.69	Monoterpenic ketone
Unknown	0.01	Unknown
Citronellal	0.06	Monoterpenic aldehyde
iso-Isopulegol	0.12	Monoterpenic alcohol
Isomenthone	4.95	Monoterpenic ketone
neo-Menthol	0.01	Monoterpenic alcohol
Terpinen-4-ol	0.07	Monoterpenic alcohol
Menthol	0.02	Monoterpenic alcohol
Isomenthol	0.17	Monoterpenic alcohol
para-Cymen-8-ol	0.02	Monoterpenic alcohol
α -Terpineol	0.33	Monoterpenic alcohol
Unknown	0.03	Unknown
Unknown	0.02	Oxygenated monoterpene
Nerol	0.45	Monoterpenic alcohol
Citronellol	32.02	Monoterpenic alcohol
Neral	0.38	Monoterpenic aldehyde
Piperitone	0.08	Monoterpenic ketone
Geraniol	14.23	Monoterpenic alcohol
Geranial	0.80	Monoterpenic aldehyde
Citronellyl formate	6.47	Monoterpenic ester
Neryl formate	0.14	Monoterpenic ester
Geranyl formate	2.61	Monoterpenic ester
(3 <i>Z</i>)-Hexenyl tiglate	0.02	Aliphatic ester
Methyl geranate	0.03	Monoterpenic ester
Citronellic acid	0.02	Monoterpenic acid
α -Cubebene	0.24	Sesquiterpene
Phenylethyl propionate	0.02	Phenolic ester
Citronellyl acetate	0.27	Monoterpenic ester
Neryl acetate	0.07	Monoterpenic ester
Geranic acid	0.05	Aliphatic acid
α -Copaene	0.51	Sesquiterpene
α -Ylangene	0.07	Sesquiterpene
β -Bourbonene	1.08	Sesquiterpene
1,5-diepi- β -Bourbonene	0.08	Sesquiterpene
Geranyl acetate	0.41	Monoterpenic ester
Phenylethyl isobutyrate	0.04	Phenolic ester

Isocaryophyllene	0.02	Sesquiterpene
α -Gurjunene	0.07	Sesquiterpene
β -Caryophyllene	1.31	Sesquiterpene
β -Copaene	0.14	Sesquiterpene
Heptyl tiglate	0.07	Aliphatic ester
Aromadendrene	0.03	Sesquiterpene
6,9-Guaiadiene	0.40	Sesquiterpene
Unknown	0.46	Sesquiterpene
Citronellyl propionate	0.35	Monoterpenic ester
α -Humulene	0.26	Sesquiterpene
allo-Aromadendrene	0.21	Sesquiterpene
Unknown	0.09	Sesquiterpene
<i>trans</i> -Cadina-1(6),4-diene	0.22	Sesquiterpene
γ -Murolene	0.12	Sesquiterpene
α -Amorphene	0.26	Sesquiterpene
Germacrene D	1.04	Sesquiterpene
Geranyl propionate	0.65	Monoterpenic ester
β -Selinene	0.12	Sesquiterpene
Phenylethyl isovalerate	0.05	Phenolic ester
γ -Amorphene	0.12	Sesquiterpene
Bicyclogermacrene	0.24	Sesquiterpene
Viridiflorene	0.26	Sesquiterpene
α -Selinene	0.23	Sesquiterpene
4- <i>epi-cis</i> -Dihydroagarofuran	0.06	Sesquiterpenic ether
α -Murolene	0.27	Sesquiterpene
γ -Cadinene	0.36	Sesquiterpene
Geranyl isobutyrate	0.08	Monoterpenic ester
<i>trans</i> -Calamenene	0.27	Sesquiterpene
δ -Cadinene	0.94	Sesquiterpene
<i>trans</i> -Cadina-1,4-diene	0.14	Sesquiterpene
Citronellyl butyrate	0.66	Monoterpenic ester
Phenylethyl angelate?	0.04	Phenolic ester
α -Agarofuran	0.36	Sesquiterpenic ether
1-nor-Bourbonanone	0.04	Norsesquiterpenic ketone
Geranyl butyrate	1.09	Monoterpenic ester
Spathulenol	0.22	Sesquiterpenic alcohol
Caryophyllene oxide	0.14	Sesquiterpenic ether
Caryophyllene oxide isomer	0.03	Sesquiterpenic ether
Globulol	0.12	Sesquiterpenic alcohol
Phenylethyl tiglate	0.80	Phenolic ester
Viridiflorol	0.06	Sesquiterpenic alcohol
Geranyl isovalerate	0.08	Monoterpenic ester
10- <i>epi</i> - γ -Eudesmol	4.44	Sesquiterpenic alcohol
1- <i>epi</i> -Cubenol	0.14	Sesquiterpenic alcohol
γ -Eudesmol	0.20	Sesquiterpenic alcohol
Citronellyl valerate?	0.20	Monoterpenic ester
τ -Cadinol	0.07	Sesquiterpenic alcohol
Cubenol	0.29	Sesquiterpenic alcohol
τ -Murolol	0.07	Sesquiterpenic alcohol
β -Eudesmol	0.26	Sesquiterpenic alcohol
α -Eudesmol	0.27	Sesquiterpenic alcohol
α -Cadinol	0.12	Sesquiterpenic alcohol

Valerianol	0.04	Sesquiterpenic alcohol
Geranyl valerate	0.17	Monoterpenic ester
<i>trans</i> -Calamenen-10-ol	0.01	Sesquiterpenic alcohol
Citronellyl tiglate	0.28	Monoterpenic ester
Citronellyl 4-methylvalerate	0.11	Monoterpenic ester
Geranyl tiglate	1.04	Monoterpenic ester
Geranyl 4-methylvalerate?	0.18	Monoterpenic ester
Citronellyl caproate	0.06	Monoterpenic ester
Geranyl caproate	0.11	Monoterpenic ester
Citronellyl heptanoate	0.06	Monoterpenic ester
Phytone	0.03	Terpenic ketone
Geranyl heptanoate	0.10	Monoterpenic ester
Unknown	0.02	Unknown
Citronellyl caprylate	0.05	Monoterpenic ester
Geranyl caprylate	0.05	Monoterpenic ester
Unknown	0.01	Unknown
Consolidated total	96.57%	

*: 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

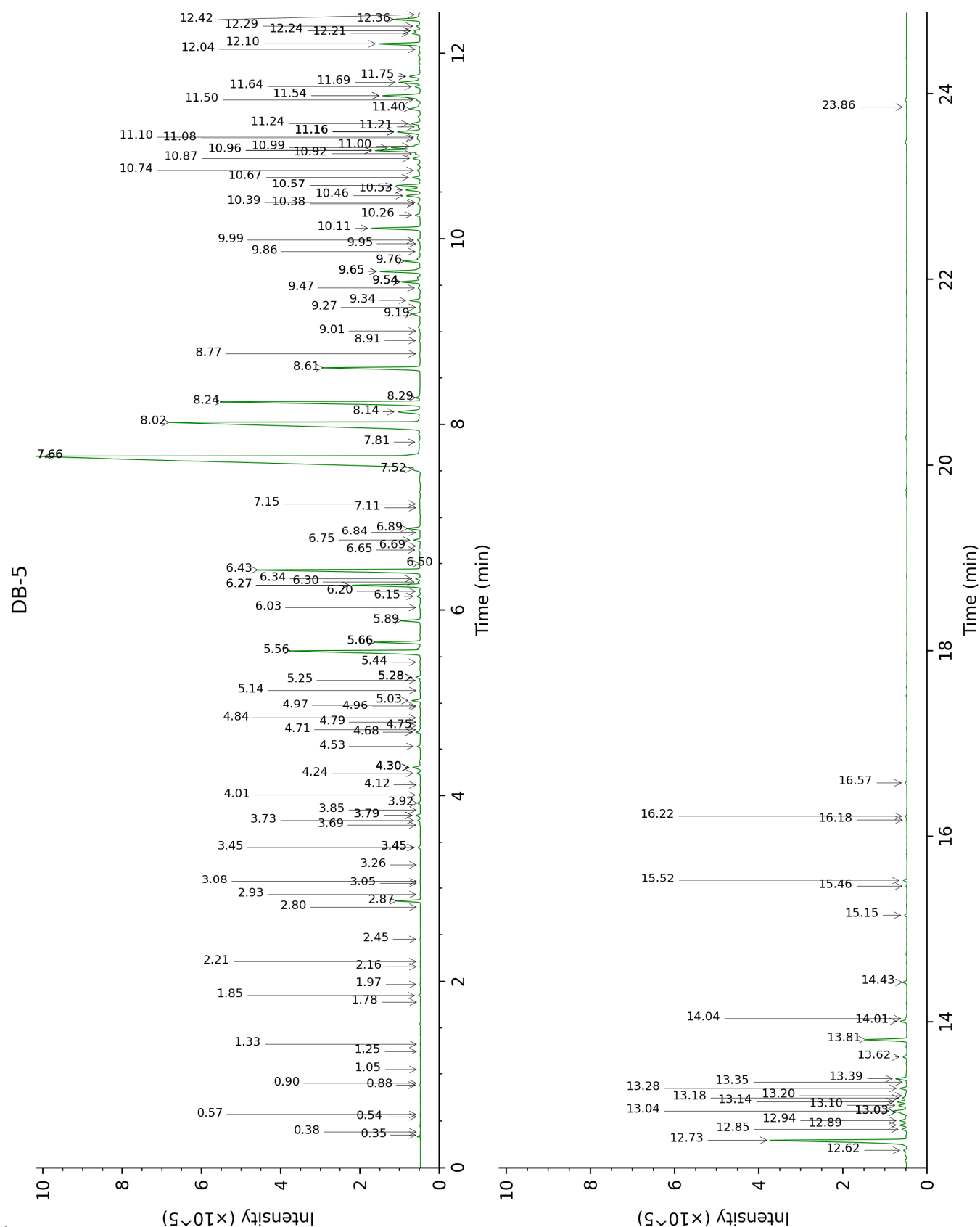
tr: The compound has been detected below 0.005% of total signal.

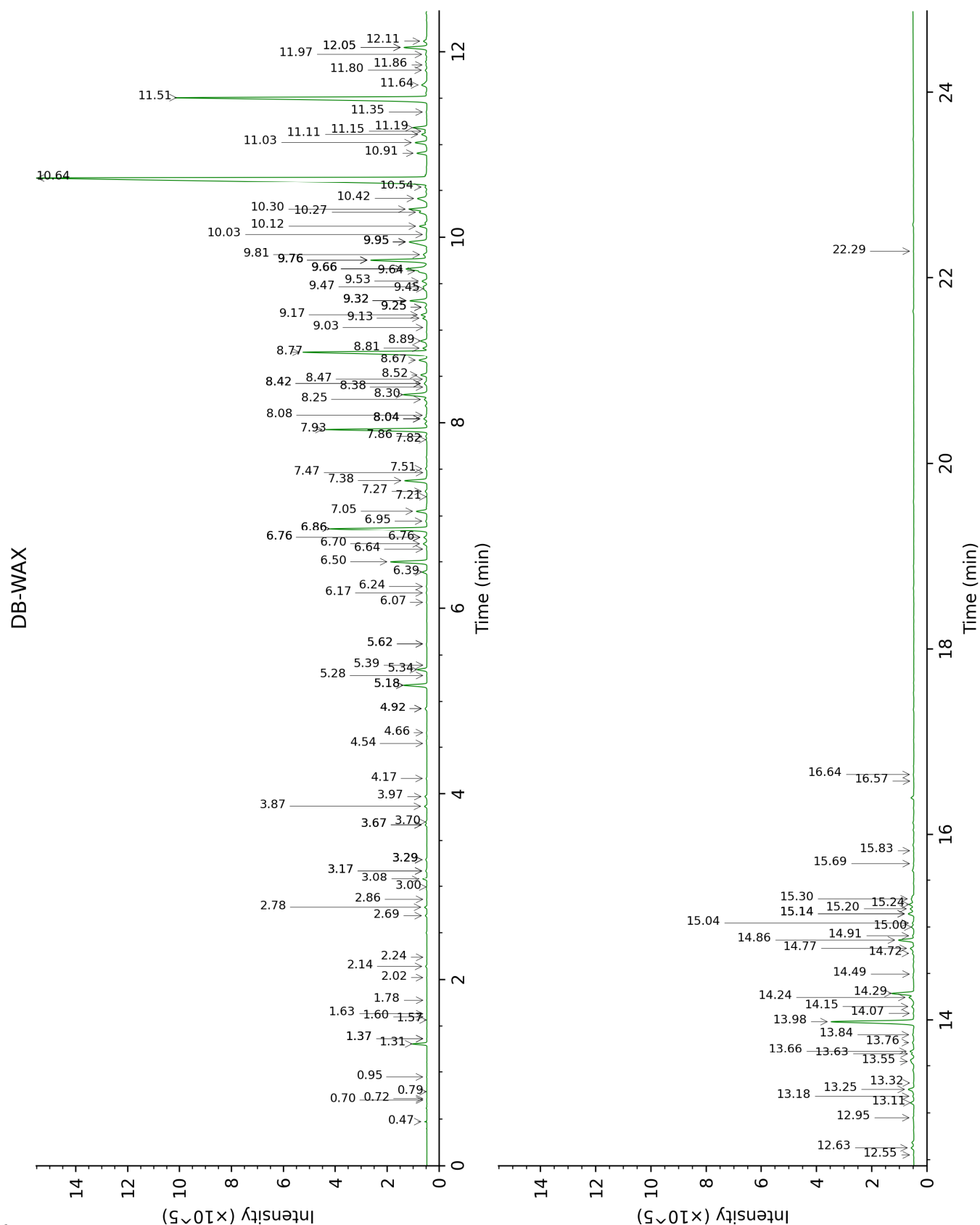
Note: no correction factor was applied

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	%
Ethanol	0.35	507	0.01	0.79	908	tr
Isobutyral	0.38	539	tr	0.47	785	0.03
Isovaleral	0.54	642	0.01	0.72	887	tr
2-Methylbutyral	0.57	652	0.01	0.70	882	tr
Isoamyl alcohol	0.88	732	0.02	3.30*	1176	0.06
2-Methylbutanol	0.90	735	tr	3.30*	1176	[0.06]
Toluene	1.05	758	tr	1.37*	1002	0.01
Isoamyl formate	1.25	790	tr	1.60	1025	tr
Hexanal	1.33	802	0.01	1.78	1043	tr
(3E)-Hexenol	1.78	842	0.01	5.39	1330	0.01
3-Methylpentanol	1.85	848	0.04	4.92*	1299	0.10
(3Z)-Hexenol	1.97	858	0.02	5.62*	1347	0.04
Hexanol	2.16	875	0.01	5.28	1323	0.01
3-Acetyl-3-methylcyclopentene	2.21	880	0.01	0.95	934	0.01
3-Methylpentyl formate?	2.45	901	0.02	3.00	1152	0.04
α-Thujene	2.80	924	0.01	1.37*	1002	[0.01]
α-Pinene	2.86	929	0.50	1.31	994	0.49
Unknown [m/z 122, 107 (38), 121 (35), 79 (28), 77 (27), 43 (26)...]	2.93	934	0.02			
α-Fenchene	3.05	942	0.01	1.57	1022	tr
Camphene	3.08	943	0.01	1.63	1028	0.01
Benzaldehyde	3.26	956	0.01	7.21	1462	0.01
Geranic oxide	3.45*	968	0.06	2.14	1079	0.05
β-Pinene	3.45*	968	[0.06]	2.02	1067	0.01
Sabinene	3.45*	968	[0.06]	2.24	1089	0.01
Octen-3-ol	3.69	985	0.01	6.64	1420	0.02
6-Methyl-5-hepten-2-one	3.74	988	0.07	4.92*	1299	[0.10]
trans-Dehydroxylinalool oxide	3.79*	992	0.12	3.30*	1176	[0.06]
Myrcene	3.79*	992	[0.12]	2.78	1134	0.09
6-Methyl-5-hepten-2-ol	3.85	996	0.01	6.76*	1429	0.17
α-Phellandrene	3.92	1001	0.07	2.69	1127	0.06
cis-Dehydroxylinalool oxide	4.01	1006	0.03	3.67*†	1206	0.12
α-Terpinene	4.12	1013	0.01	2.86	1141	0.01
para-Cymene	4.24	1021	0.08	3.97	1228	0.10
β-Phellandrene	4.30*	1025	0.22	3.17*	1166	0.07
1,8-Cineole	4.30*	1025	[0.22]	3.17*	1166	[0.07]

Unknown [m/z 59, 43 (11), 109 (10), 41 (10), 127 (8)...]	4.30*	1025	[0.22]	6.07	1379	0.02
Unknown [m/z 59, 43 (12), 109 (11), 41 (10), 127 (8)...]	4.30*	1025	[0.22]	6.24	1391	0.03
Limonene	4.30*	1025	[0.22]	3.08	1159	0.17
(Z)- β -Ocimene	4.53	1039	0.09	3.67*†	1206	[0.12]
(E)- β -Ocimene	4.68†	1049	0.12	3.87	1220	0.10
Unknown [m/z 125, 69 (75), 41 (34), 55 (25), 93 (22)... 140 (3)]	4.71†	1050	[0.12]	4.54	1271	0.02
2,6-Dimethyl-5-heptenal (melonal)	4.75	1053	0.01	5.18*	1315	1.04
Isobutyl angelate	4.79	1056	0.01			
γ -Terpinene	4.84	1058	0.02	3.70†	1208	[0.12]
cis-Sabinene hydrate	4.96†	1066	0.03	6.76*	1429	[0.17]
Unknown [m/z 79, 93 (60), 43 (40), 94 (35), 137 (33), 77 (26), 91 (20), 152 (18)]	4.97†	1067	[0.03]	4.66	1280	0.03
cis-Linalool oxide (fur.)	5.03	1071	0.20	6.39	1402	0.20
Octanol	5.14	1078	0.02	8.04*	1525	0.16
Fenchone	5.25	1084	0.03	5.62*	1347	[0.04]
trans-Linalool oxide (fur.)	5.28*	1086	0.11	6.76*	1429	[0.17]
Terpinolene	5.28*	1086	[0.11]	4.17	1243	0.03
para-Cymenene	5.28*	1086	[0.11]	6.17	1386	0.04
trans-Sabinene hydrate	5.44	1097	0.02	7.82	1508	0.03
Linalool	5.56	1104	4.45	7.93	1516	4.36
(Z)-6-Methyl-3,5-heptadien-2-one	5.66*	1110	1.04	8.08	1528	0.03
cis-Rose oxide	5.66*	1110	[1.04]	5.18*	1315	[1.04]
Phenylethyl alcohol	5.66*	1110	[1.04]	11.97	1850	0.09
trans-Rose oxide	5.89	1125	0.43	5.34	1327	0.43
Unknown [m/z 95, 67 (86), 41 (68), 82 (64), 123 (62)...]	6.03	1134	0.02	7.47	1481	0.01
Unknown [m/z 41, 69 (87), 82 (66), 67 (55), 109 (46)... 142 (18)]	6.15	1142	0.08	9.25*	1619	0.12
Isopulegol	6.20	1145	0.04	8.04*	1525	[0.16]
Menthone	6.27*	1149	1.69	6.50	1410	1.69
Unknown [m/z 43, 141 (51), 55 (36), 69	6.27*	1149	[1.69]	8.38	1551	0.01

(31), 41 (29)... 156 (4)]						
Citronellal	6.30	1152	0.06	6.86*	1437	4.97
iso-Isopulegol	6.34	1154	0.12	7.86	1510	0.05
Isomenthone	6.43	1160	4.95	6.86*	1437	[4.97]
neo-Menthol	6.50	1164	0.01	8.47	1558	0.03
Terpinen-4-ol	6.65	1174	0.07	8.42*	1554	0.17
Menthol	6.69	1176	0.02	9.03	1602	0.02
Isomenthol	6.75	1180	0.17	8.81	1584	0.16
para-Cymen-8-ol	6.84	1186	0.02	11.35	1795	0.03
α -Terpineol	6.89	1189	0.33	9.64†	1651	1.66
Unknown [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)]	7.11	1203	0.03			
Unknown [m/z 123, 81 (40), 67 (29), 79 (29), 93 (26), 121 (25), 41 (24), 55 (18), 69 (15)...]	7.15	1206	0.02			
Nerol	7.52†	1231	32.86	10.91	1757	0.45
Citronellol	7.66*†	1240	[32.86]	10.64	1734	32.02
Neral	7.66*†	1240	[32.86]	9.32*	1625	0.87
Piperitone	7.81	1250	0.08	9.76*	1660	2.87
Geraniol	8.02	1264	14.23	11.51	1808	14.20
Geranial	8.14	1272	0.80	9.95*	1676	1.31
Citronellyl formate	8.24	1279	6.47	8.77	1581	6.51
Neryl formate	8.29	1282	0.14	9.32*	1625	[0.87]
Geranyl formate	8.61	1304	2.61	9.76*	1660	[2.87]
(3Z)-Hexenyl tiglate	8.77	1315	0.02	9.25*	1619	[0.12]
Methyl geranate	8.91	1325	0.03	9.66*†	1653	[1.66]
Citronellic acid	9.01	1332	0.02	15.83	2222	0.02
α -Cubebene	9.19	1345	0.24	6.70	1424	0.19
Phenylethyl propionate	9.26	1350	0.02	11.86	1840	0.05
Citronellyl acetate	9.34	1355	0.27	9.32*	1625	[0.87]
Neryl acetate	9.47	1364	0.07	10.03	1683	0.06
Geranic acid	9.54*†	1369	0.64	16.64	2309	0.05
α -Copaene	9.54*†	1369	[0.64]	7.05	1450	0.51
α -Ylangene	9.54*†	1369	[0.64]	6.95	1443	0.07
β -Bourbonene	9.65*	1377	1.12	7.38	1475	1.08
1,5-diepi- β - Bourbonene	9.65*	1377	[1.12]	7.27	1466	0.08
Geranyl acetate	9.76	1385	0.41	10.42	1715	0.64
Phenylethyl isobutyrate	9.86	1392	0.04	11.80	1834	0.08
Isocaryophyllene	9.95	1398	0.02	8.04*	1525	[0.16]
α -Gurjunene	9.99	1401	0.07	7.51	1484	0.07
β -Caryophyllene	10.11	1410	1.31	8.30	1545	1.26
β -Copaene	10.26	1420	0.14	8.25	1541	0.13
Heptyl tiglate	10.38	1429	0.07			
Aromadendrene	10.39	1431	0.03	8.42*	1554	[0.17]

6,9-Guaiadiene	10.46	1436	0.40	8.52	1562	0.31
Unknown [m/z 91, 161 (92), 105 (85), 119 (63), 133 (53), 79 (49), 204 (46)]	10.53	1440	0.46	8.67	1574	0.39
Citronellyl propionate	10.57*	1444	0.63	10.12	1690	0.35
α-Humulene	10.57*	1444	[0.63]	9.13†	1610	0.47
allo-Aromadendrene	10.67	1451	0.21	8.89	1590	0.35
Unknown [m/z 161, 105 (68), 119 (54), 91 (52), 93 (41), 79 (39)... 204 (6)]	10.74	1457	0.09			
trans-Cadina-1(6),4-diene	10.87	1466	0.22	9.17†	1613	[0.47]
γ-Murolene	10.92	1470	0.12	9.47†	1637	[0.38]
α-Amorphene	10.96*	1472	1.30	9.45†	1635	0.38
Germacrene D	10.96*	1472	[1.30]	9.66*†	1653	[1.66]
Geranyl propionate	10.99†	1475	[0.89]	11.19	1780	0.65
β-Selinene	11.00†	1476	0.89	9.76*	1660	[2.87]
Phenylethyl isovalerate	11.08†	1482	0.17	12.95	1938	0.05
γ-Amorphene	11.10†	1483	[0.17]	9.66*†	1653	[1.66]
Bicyclogermacrene	11.16*	1487	0.79	9.95*	1676	[1.31]
Viridiflorene	11.16*	1487	[0.79]	9.53	1642	0.26
α-Selinene	11.16*	1487	[0.79]	9.82	1665	0.23
4-epi-cis-Dihydroagarofuran	11.21	1491	0.06	9.76*	1660	[2.87]
α-Murolene	11.24	1494	0.27	9.95*	1676	[1.31]
γ-Cadinene	11.40	1506	0.36	10.27†	1702	1.30
Geranyl isobutyrate	11.50	1513	0.08	11.15	1777	0.08
trans-Calamenene	11.54*	1517	1.30	11.11	1774	0.27
δ-Cadinene	11.54*	1517	[1.30]	10.30†	1705	[1.30]
trans-Cadina-1,4-diene	11.64	1525	0.14	10.54	1725	0.09
Citronellyl butyrate	11.69	1528	0.66	11.02	1767	0.60
Phenylethyl angelate?	11.75*	1533	0.36	14.07	2045	0.04
α-Agarofuran	11.75*	1533	[0.36]	11.64	1820	0.36
1-nor-Bourbonanone	12.04	1556	0.04	13.32	1973	0.03
Geranyl butyrate	12.10	1561	1.09	12.05*	1856	1.09
Spathulenol	12.21	1569	0.22	14.24†	2062	1.35
Caryophyllene oxide	12.24*	1572	0.16	12.63	1908	0.14
Caryophyllene oxide isomer	12.24*	1572	[0.16]	12.55	1902	0.03
Globulol	12.29	1575	0.12	13.76	2014	0.07
Phenylethyl tiglate	12.36	1581	0.80	14.86	2123	0.72
Viridiflorol	12.42	1585	0.06	13.84	2023	0.07
Geranyl isovalerate	12.62	1602	0.08	12.05*	1856	[1.09]
10-epi-γ-Eudesmol	12.73	1610	4.44	13.98	2036	4.18

1-epi-Cubenol	12.85	1620	0.14	13.63	2002	0.12
γ-Eudesmol	12.89	1624	0.20	14.77	2114	0.22
Citronellyl valerate?	12.94	1628	0.20	12.11	1862	0.17
τ-Cadinol	13.03*†	1635	0.54	14.72	2108	0.07
Cubenol	13.03*†	1635	[0.54]	13.55	1995	0.29
τ-Murolol	13.04†	1636	[0.54]	14.91	2127	0.07
β-Eudesmol	13.10	1641	0.26	15.24	2162	0.26
α-Eudesmol	13.14	1644	0.27	15.14*	2152	0.30
α-Cadinol	13.18	1648	0.12	15.30	2168	0.19
Valerianol	13.20	1649	0.04	15.20	2157	0.20
Geranyl valerate	13.28	1656	0.17	13.11	1953	0.16
trans-Calamenen-10-ol	13.35	1661	0.01	16.57	2301	0.01
Citronellyl tiglate	13.39	1664	0.28	13.25	1967	0.32
Citronellyl 4-methylvalerate	13.62	1684	0.11			
Geranyl tiglate	13.81	1699	1.04	14.29†	2066	[1.35]
Geranyl 4-methylvalerate?	14.01	1716	0.18	13.66	2006	0.18
Citronellyl caproate	14.04	1719	0.06	13.18	1960	0.05
Geranyl caproate	14.43	1753	0.11	14.15	2052	0.12
Citronellyl heptanoate	15.15	1816	0.06			
Phytone	15.46	1844	0.03	14.49	2086	0.04
Geranyl heptanoate	15.52	1850	0.10	15.04	2141	0.07
Unknown [m/z 69, 81 (44), 41 (28), 95 (26), 93 (26), 71 (24)...]	16.18	1910	0.02	15.00	2137	0.13
Citronellyl caprylate	16.22	1913	0.05	15.14*	2152	[0.30]
Geranyl caprylate	16.57	1947	0.05	15.69	2207	0.02
Unknown [m/z 69, 81 (84), 137 (53), 83 (30), 95 (27), 41 (19)...]	23.86	2759	0.01	22.29	2998	0.01
Total identified	96.11%			95.97%		
Total reported	96.85%			96.62%		

*: 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