

Date : 2026-07-08

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 26F25-PTH02

Customer Identification : Chamomile German ORGANIC - Egypt - CC1108

Type : Essential Oil

Source : *Matricaria chamomilla*

Customer : Plant Therapy

Checked and approved by:

Sylvain Mercier, M. Sc., Chimiste 2014-005

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Laboratoire
PhytoChemia

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 : Jean-Christophe Fortin, M. Sc.

Date : 2026-07-08

PHYSICOCHEMICAL DATA

Refractive index : 1.5041 ± 0.0003 (20 °C)

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

Analyst : Cindy Caron B. Sc.

Date : 2026-06-26

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-Buten-2-one	0.01	Aliphatic ketone
Isovaleral	0.03	Aliphatic aldehyde
2-Methylbutyral	0.04	Aliphatic aldehyde
2-Vinylfuran	0.01	Furan
Toluene	0.01	Simple phenolic
Hexanal	0.01	Aliphatic aldehyde
Ethyl 2-methylbutyrate	0.18	Aliphatic ester
Ethyl isovalerate	0.02	Aliphatic ester
Heptanal	0.01	Aliphatic aldehyde
Santolinatriene	0.01	Monoterpene
α -Pinene	0.02	Monoterpene
Camphene	0.02	Monoterpene
Propyl 2-methylbutyrate	0.06	Aliphatic ester
Benzaldehyde	0.01	Simple phenolic
Sabinene	0.02	Monoterpene
β -Pinene	0.02	Monoterpene
6-Methyl-5-hepten-2-one	0.05	Aliphatic ketone
2-Pentylfuran	0.05	Furan
Myrcene	0.01	Monoterpene
Unknown	0.01	Monoterpene
α -Phellandrene	0.02	Monoterpene
Octanal	0.10	Aliphatic aldehyde
Yomogi alcohol	0.01	Monoterpenic alcohol
α -Terpinene	0.01	Monoterpene
<i>para</i> -Cymene	0.11	Monoterpene
1,8-Cineole	0.02	Monoterpenic ether
Limonene	0.07	Monoterpene
(Z)- β -Ocimene	0.07	Monoterpene
Seudenone?	0.02	Aliphatic ketone
(E)- β -Ocimene	0.36	Monoterpene
γ -Terpinene	0.14	Monoterpene
Artemisia ketone	0.38	Monoterpenic ketone
Octanol	0.02	Aliphatic alcohol
Terpinolene	0.01	Monoterpene
Artemisia alcohol	0.10	Monoterpenic alcohol
Linalool	0.02	Monoterpenic alcohol
Nonanal	0.10	Aliphatic aldehyde
Unknown	0.02	Oxygenated monoterpene
Camphor	0.01	Monoterpenic ketone
<i>trans</i> -Chrysanthemol	0.01	Monoterpenic alcohol

Borneol	0.05	Monoterpenic alcohol
Artemisyl acetate	0.03	Monoterpenic ester
Nonanol	0.03	Aliphatic alcohol
Terpinen-4-ol	0.01	Monoterpenic alcohol
Caprylic acid	0.06	Aliphatic acid
α -Terpineol	0.02	Monoterpenic alcohol
Creosol	0.02	Simple phenolic
Safranal	0.06	Monoterpenic aldehyde
Decanal	0.01	Aliphatic aldehyde
Citronellol	0.02	Monoterpenic alcohol
(3Z)-Hexenyl isovalerate	0.02	Aliphatic ester
Carvone	0.08	Monoterpenic ketone
(2E)-Hexenyl isovalerate	0.01	Aliphatic ester
Hexyl isovalerate	0.02	Aliphatic ester
Geraniol	0.01	Monoterpenic alcohol
α -Ionene	0.01	Terpene derivative
4,8-Dimethylnona-3,8-dien-2-one	0.04	Terpenic ketone
(E)-4,8-Dimethylnona-3,8-dien-2-one	0.01	Terpenic ketone
Pelargonic acid	0.11	Aliphatic acid
Thymol	0.02	Monoterpenic alcohol
Tridecane	0.02	Alkane
(2E,4E)-Decadienal	0.02	Aliphatic aldehyde
Bicycloelemene	0.02	Sesquiterpene
7 β H-Silphiperfol-5-ene	0.01	Sesquiterpene
α -Longipinene	0.04	Sesquiterpene
Dehydro-ar-ionene	0.03	Miscellaneous
Eugenol	0.01	Phenylpropanoid
Modhephene	0.02	Sesquiterpene
α -Copaene	0.04	Sesquiterpene
α -Isocomene	0.07	Sesquiterpene
Unknown	[1.19]	Sesquiterpene
β -Elemene	0.07	Sesquiterpene
Capric acid	[1.19]	Aliphatic acid
(Z)-Jasmone	0.04	Jasmonate
β -Isocomene	0.02	Sesquiterpene
β -Caryophyllene	0.10	Sesquiterpene
β -Copaene	0.03	Sesquiterpene
Aromadendrene	0.07	Sesquiterpene
Striatene?	0.04	Sesquiterpene
α -Humulene	0.06	Sesquiterpene
allo-Aromadendrene	0.11	Sesquiterpene
(E)- β -Farnesene	16.87	Sesquiterpene
Dehydrosesquicineole	0.10	Sesquiterpenic ether
Precocene I	0.06	Chromane
Germacrene D	1.26	Sesquiterpene

ar-Curcumene	0.06	Sesquiterpene
β-Selinene	0.12	Sesquiterpene
α-Selinene	0.01	Sesquiterpene
Bicyclogermacrene	0.73	Sesquiterpene
Viridiflorene	0.10	Sesquiterpene
α-Zingiberene	0.06	Sesquiterpene
α-Murolene	0.09	Sesquiterpene
(3Z,6E)-α-Farnesene	0.09	Sesquiterpene
(3E,6E)-α-Farnesene	0.79	Sesquiterpene
3,6-Dihydrochamazulene	0.72	Azulene
γ-Cadinene	0.18	Sesquiterpene
Dihydrochamazulene isomer I	0.16	Azulene
δ-Cadinene	0.21	Sesquiterpene
trans-Calamenene	0.05	Sesquiterpene
β-Sesquiphellandrene	0.03	Sesquiterpene
Unknown	0.01	Oxygenated sesquiterpene
(2Z?,8Z?)-Matricaria ester	0.17	Polyne ester
α-Cadinene	0.03	Sesquiterpene
(E)-α-Bisabolene	0.02	Sesquiterpene
Salviadienol?	0.02	Sesquiterpenic alcohol
Sesquirosefuran?	0.07	Sesquiterpenic ether
(E)-Nerolidol	0.20	Sesquiterpenic alcohol
Spathulenol	0.74	Sesquiterpenic alcohol
Dendrolasin	0.24	Sesquiterpenic ether
Caryophyllene oxide	0.07	Sesquiterpenic ether
Caryophyllene oxide isomer	0.02	Sesquiterpenic ether
Unknown	0.13	Oxygenated sesquiterpene
Globulol	tr	Sesquiterpenic alcohol
Viridiflorol	0.09	Sesquiterpenic alcohol
Salvial-4(14)-en-1-one	0.07	Aliphatic alcohol
Ledol	0.07	Sesquiterpenic alcohol
5,6-Dihydrochamazulene	0.13	Azulene
(2,7Z)-Bisaboladien-4-ol	0.14	Sesquiterpenic alcohol
Alismol?	0.19	Oxygenated sesquiterpene
Bisabolol oxide, epimer IV?	0.13	Sesquiterpenic alcohol
cis-Cadin-4-en-7-ol	0.08	Sesquiterpenic alcohol
Unknown	0.09	Unknown
τ-Cadinol	0.61	Sesquiterpenic alcohol
τ-Murolol	0.04	Sesquiterpenic alcohol
Unknown	0.07	Unknown
α-Eudesmol	0.13	Sesquiterpenic alcohol
α-Bisabolol oxide B, epimer 1	5.18	Sesquiterpenic alcohol
α-Bisabolol oxide B, epimer 2	0.10	Sesquiterpenic alcohol
Ageratochromene	0.27	Chromane
Unknown MARE XXIII [m/z 170, 115 (51), 153	0.11	Unknown

(49), 128 (47)...		
epi-β-Bisabolol	0.08	Sesquiterpenic alcohol
β-Bisabolol	0.07	Sesquiterpenic alcohol
Bisabolone oxide A	4.41	Sesquiterpenic ketone
α-Bisabolol	1.19	Sesquiterpenic alcohol
(2E,6Z)-Farnesol	0.04	Sesquiterpenic alcohol
Herniarin	0.16	Coumarin
Chamazulene	2.35	Azulene
α-Bisabolol oxide A	40.24	Sesquiterpenic alcohol
Bisabolol oxide, epimer I	0.07	Sesquiterpenic alcohol
Benzyl benzoate	0.06	Phenolic ester
Bisabolol oxide, epimer II	0.16	Sesquiterpenic alcohol
Bisabolol oxide, epimer III	0.05	Sesquiterpenic alcohol
α-Costol?	0.52	Sesquiterpenic alcohol
Unknown	0.01	Oxygenated sesquiterpene
Phytone	0.38	Terpenic ketone
(Z)-Spiroether	4.80	Polyene
(E)-Spiroether	0.56	Polyene
(Z)-Tibetin spiroether	0.06	Polyene
Methyl palmitate	0.05	Aliphatic ester
(E)-Tibetin spiroether	0.17	Polyene
Palmitic acid	1.85	Aliphatic acid
Ethyl palmitate	0.02	Aliphatic ester
Eicosane	0.04	Alkane
Heneicosane	0.04	Alkane
Phytol	0.18	Diterpenic alcohol
Linoleic acid	0.55	Aliphatic acid
Oleic acid	0.61	Aliphatic acid
(9Z)-18-Octadecenolide?	0.09	Aliphatic lactone
Tricosane	0.46	Alkane
Tetracosane	0.11	Alkane
Pentacosane	0.96	Alkane
Hexacosane	0.05	Alkane
Heptacosane	0.21	Alkane
Unknown	0.01	Unknown
Unknown	0.05	Oxygenated triterpene
Unknown	0.02	Oxygenated triterpene
Consolidated total	96.44	

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

Note: no correction factor was applied

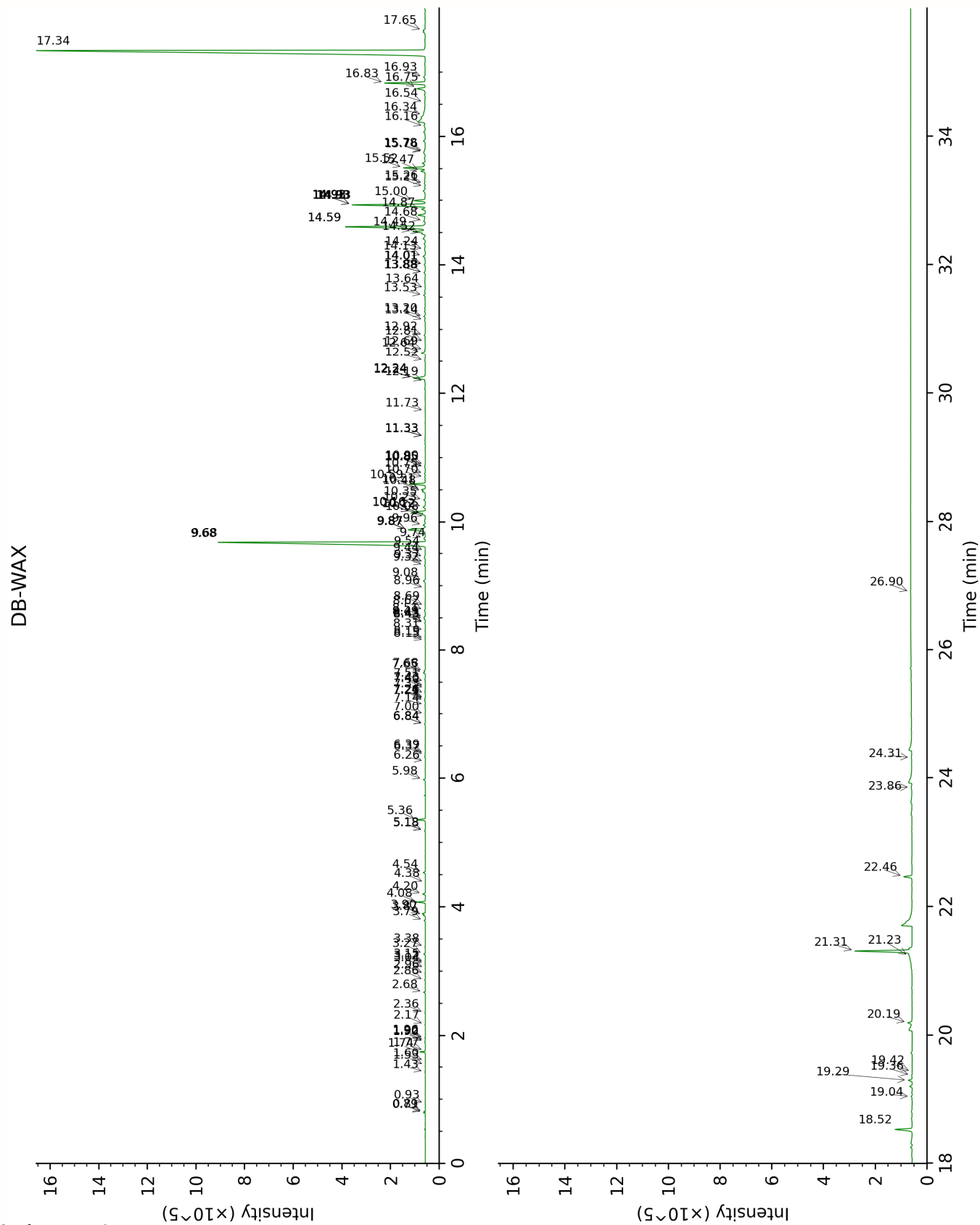
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

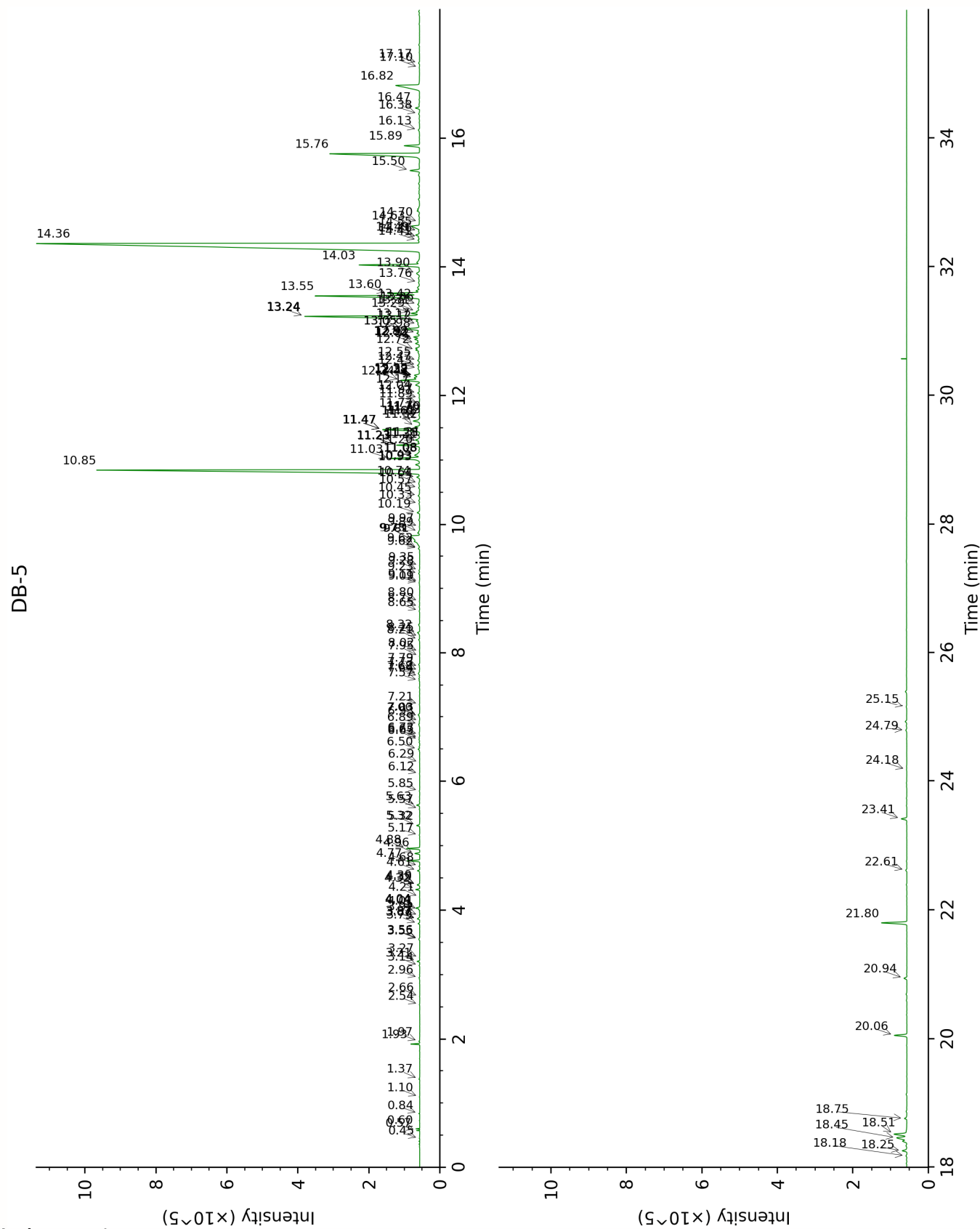
Unknowns: Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is

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-Buten-2-one	Column DB-WAX			Column DB-5		
	0.93	909.9	0.01	0.45	572.8	0.01
Isovaleral	0.81	885.8	0.03	0.57	639.6	0.03
2-Methylbutyral	0.79	878.4	0.04	0.60	650.0	0.04
2-Vinylfuran	1.90	1039.1	0.03	0.84	719.1	0.01
Toluene	1.53	1002.1	tr	1.10	758.3	0.01
Hexanal	1.96	1045.0	0.02	1.37	800.1	0.01
Ethyl 2-methylbutyrate	1.74	1022.8	0.18	1.93	850.1	0.18
Ethyl isovalerate	1.92	1041.1	0.01	1.97	853.8	0.02
Heptanal	3.15	1147.9	0.01	2.54	902.8	0.01
Santolinatriene	1.60	1009.2	tr	2.66	911.9	0.01
α -Pinene	1.42	989.9	0.02	2.96	931.6	0.02
Camphene	1.77	1025.9	0.02	3.14	944.3	0.02
Propyl 2-methylbutyrate	2.68	1111.2	0.07	3.21	948.7	0.06
Benzaldehyde	7.43	1461.7	0.01	3.27	952.7	0.01
Sabinene	2.36	1084.0	0.02	3.55	971.8	0.02
β -Pinene	2.17	1065.7	0.02	3.56	972.4	0.02
6-Methyl-5-hepten-2-one	5.18*	1300.7	[0.04]	3.79	988.3	0.05
2-Pentylfuran	3.79	1197.4	0.05	3.87*	993.3	[0.09]
Myrcene	2.96	1133.4	0.01	3.87*	993.3	[0.09]
Unknown ACMI II [m/z 93, 91 (46), 80 (44), 79 (42), 77 (33), 92 (20)... 136 (4)]	3.12	1145.9	0.01	3.92	996.7	0.01
α -Phellandrene	2.86	1125.7	0.03	4.01	1003.1	0.02
Octanal	4.54	1250.6	0.10	4.04*	1004.6	[0.13]
Yomogi alcohol	6.26	1376.8	0.01	4.04*	1004.6	[0.13]
α -Terpinene	3.04	1139.8	0.01	4.21	1015.5	0.01
<i>para</i> -Cymene	4.20	1226.8	0.11	4.32	1022.8	0.11
1,8-Cineole	3.38	1166.2	0.02	4.40*	1027.5	[0.09]
Limonene	3.27	1157.3	0.07	4.40*	1027.5	[0.09]
(Z)- β -Ocimene	3.87	1203.3	0.08	4.61	1041.4	0.07
Seudenone?	8.42*	1536.0	[0.03]	4.68	1045.7	0.02
(E)- β -Ocimene	4.08	1217.9	0.36	4.77	1051.2	0.36
γ -Terpinene	3.90	1205.0	0.14	4.88	1058.3	0.14
Artemisia ketone	5.36	1312.8	0.38	4.96	1063.2	0.38
Octanol	8.31	1526.9	0.02	5.17	1076.5	0.02
Terpinolene	4.38	1239.4	0.01	5.32*	1085.9	[0.10]
Artemisia alcohol	7.65	1477.4	0.10	5.32*	1085.9	[0.10]
Linalool	8.15	1514.9	0.02	5.57	1102.0	0.02
Nonanal	5.98	1356.8	0.10	5.63	1105.9	0.10

Unknown ARAN IV [m/z 43, 81 (62), 59 (60), 85 (49), 82 (38)... 154 (2)]				5.85	1120.2	0.02
Camphor	7.26	1449.1	0.01	6.12	1137.4	0.01
<i>trans</i> -Chrysanthemol	9.68*	1633.5	[17.09]	6.29	1148.6	0.01
Borneol	9.87*	1649.1	[1.20]	6.50	1161.8	0.05
Artemisyl acetate	6.39	1386.0	0.02	6.65	1171.4	0.03
Nonanol	9.54	1622.4	0.03	6.67	1173.1	0.03
Terpinen-4-ol	8.69	1556.2	0.01	6.73	1176.6	0.01
Caprylic acid				6.89	1186.8	0.06
α -Terpineol	9.87*	1649.1	[1.20]	6.93	1189.6	0.02
Creosol	12.68	1887.5	0.05	7.00	1194.5	0.02
Safranal	8.96	1577.2	0.02	7.03	1196.1	0.06
Decanal	7.40	1459.5	0.02	7.20	1207.5	0.01
Citronellol	10.90	1733.1	0.02	7.57	1232.2	0.02
(3Z)-Hexenyl isovalerate	7.24	1447.5	0.03	7.64	1236.6	0.02
Carvone	10.12*	1669.2	[0.19]	7.68	1239.7	0.08
(2E)-Hexenyl isovalerate	7.33	1453.9	0.01	7.73	1242.7	0.01
Hexyl isovalerate	6.84*	1418.3	[0.05]	7.79	1246.6	0.02
Geraniol	11.73	1803.8	0.01	7.95	1257.6	0.01
α -Ionene	7.00	1429.7	0.02	8.02	1262.6	0.01
4,8-Dimethylnona- 3,8-dien-2-one	9.32	1604.7	0.05	8.21	1274.9	0.04
(E)-4,8-Dimethylnona- 3,8-dien-2-one	9.37	1608.8	0.02	8.25	1278.0	0.01
Pelargonic acid				8.32	1282.4	0.11
Thymol	15.26	2132.0	0.05	8.65	1305.0	0.02
Tridecane	5.18*	1300.7	[0.04]	8.72	1309.5	0.02
(2E,4E)-Decadienal	11.33*	1769.7	[0.02]	8.80	1315.6	0.02
Bicycloelemene	7.14	1440.1	0.03	9.09	1335.8	0.02
7 β H-Silphiperfol-5- ene	6.37	1384.1	0.01	9.11	1337.5	0.01
α -Longipinene	6.84*	1418.3	[0.05]	9.23	1346.2	0.04
Dehydro-ar-ionene				9.28	1349.6	0.03
Eugenol	14.93*	2098.9	[4.43]	9.35	1354.8	0.01
Modhephene	7.51	1467.2	0.02	9.62*	1373.6	[0.06]
α -Copaene	7.21	1445.5	0.04	9.62*	1373.6	[0.06]
α -Isocomene	7.68	1479.5	0.07	9.73*†	1381.6	[0.44]
Unknown CASA XIV [m/z 105, 120 (94), 119 (74), 161 (60), 91 (39), 93 (32)... 204				9.73*†	1381.6	[0.44]

(20)]						
β-Elemene	8.51	1542.6	0.07	9.81*†	1387.0	[0.88]
Capric acid				9.81*†	1387.0	[0.88]
(Z)-Jasmone	12.52	1872.5	0.05	9.89	1392.7	0.04
β-Isocomene	8.19	1517.7	0.02	9.97	1398.5	0.02
β-Caryophyllene	8.49	1540.7	0.07	10.19	1414.4	0.10
β-Copaene	8.42*	1536.0	[0.03]	10.33	1425.0	0.03
Aromadendrene	8.62	1550.7	0.07	10.45	1434.1	0.07
Striatene?				10.57	1443.4	0.04
α-Humulene	9.44	1614.6	0.08	10.64	1448.3	0.06
allo-Aromadendrene	9.08	1585.9	0.12	10.74	1455.7	0.11
(E)-β-Farnesene	9.68*	1633.5	[17.09]	10.85	1463.9	16.87
Dehydrosesquicineole	10.12*	1669.2	[0.19]	10.93*	1470.1	[0.17]
Precocene I	14.01*	2009.8	[0.06]	10.93*	1470.1	[0.17]
Germacrene D	9.87*	1649.1	[1.20]	11.03	1477.5	1.26
ar-Curcumene	10.75	1720.9	0.06	11.08*	1481.2	[0.31]
β-Selinene	9.96	1655.7	0.12	11.08*	1481.2	[0.31]
α-Selinene	10.08	1665.4	0.01	11.20	1490.5	0.01
Bicyclogermacrene	10.16*	1671.9	[0.77]	11.24*	1492.9	[0.83]
Viridiflorene	9.74	1638.2	0.10	11.24*	1492.9	[0.83]
α-Zingiberene	10.23	1678.0	0.12	11.28	1496.3	0.06
α-Murolene	10.16*	1671.9	[0.77]	11.31*	1498.8	[0.18]
(3Z,6E)-α-Farnesene	10.35	1687.0	0.09	11.31*	1498.8	[0.18]
(3E,6E)-α-Farnesene	10.59	1707.6	0.79	11.47*	1511.1	[1.69]
3,6-Dihydrochamazulene	12.24*	1848.3	[0.80]	11.47*	1511.1	[1.69]
γ-Cadinene	10.48	1698.0	0.18	11.47*	1511.1	[1.69]
Dihydrochamazulene isomer I	12.24*	1848.3	[0.80]	11.52	1514.6	0.16
δ-Cadinene	10.50	1700.2	0.21	11.61*	1521.7	[0.26]
trans-Calamenene	11.33*	1769.7	[0.02]	11.61*	1521.7	[0.26]
β-Sesquiphellandrene	10.70	1716.6	0.04	11.63	1523.1	0.03
Unknown CULO XIV [m/z 93, 91 (59), 43 (55), 79 (49), 105 (40)... 220? (t)]	13.64	1975.5	0.01	11.70*	1529.0	[0.04]
(2Z?,8Z?)-Matricaria ester	16.34	2241.9	0.17	11.70*	1529.0	[0.04]
α-Cadinene	10.85*	1729.5	[0.05]	11.77	1534.2	0.03
(E)-α-Bisabolene	10.85*	1729.5	[0.05]	11.89	1543.8	0.02
Salviadienol?	14.49	2055.5	0.18	11.97	1550.1	0.02
Sesquirosefuran?	12.19	1843.7	0.04	12.04	1555.9	0.07
(E)-Nerolidol	13.88*	1998.0	[0.09]	12.17	1565.7	0.20
Spathulenol	14.52	2058.5	0.75	12.24	1571.4	0.74
Dendrolasin	12.64	1883.4	0.22	12.28	1574.6	0.24

Caryophyllene oxide	12.92	1908.6	0.07	12.32*	1577.7	[0.22]
Caryophyllene oxide isomer	12.81	1899.0	0.02	12.32*	1577.7	[0.22]
Unknown HEBR VI [m/z 109, 43 (95), 81 (81), 93 (76), 69 (75), 95 (74), 107 (71)... 204 (22), 220 (6)]				12.32*	1577.7	[0.22]
Globulol	14.01*	2009.8	[0.06]	12.32*	1577.7	[0.22]
Viridiflorol	14.14	2022.0	0.14	12.42	1586.1	0.09
Salvial-4(14)-en-1-one	13.20	1935.1	0.09	12.47	1589.8	0.07
Ledol	13.53	1965.3	0.10	12.55	1595.8	0.07
5,6-Dihydrochamazulene	14.59*	2065.8	[5.16]	12.72	1609.5	0.13
(2,7Z)-Bisaboladien-4-ol	14.93*	2098.9	[4.43]	12.82	1618.0	0.14
Alismol?	15.76	2181.6	0.15	12.88	1623.3	0.19
Bisabolol oxide, epimer IV?				12.92*	1626.2	[0.21]
cis-Cadin-4-en-7-ol	14.24	2032.4	0.08	12.92*	1626.2	[0.21]
Unknown UNKN CXCI [m/z 93, 41 (52), 79 (46), 91 (45), 43 (38), 67 (37)...]				12.98	1631.0	0.09
τ -Cadinol	15.00	2105.6	0.61	13.05*	1636.6	[0.65]
τ -Muurolol	15.21	2126.6	0.04	13.05*	1636.6	[0.65]
Unknown LYUN IV [m/z 123, 43 (86), 81 (75), 95 (73), 82 (68), 161 (64), 105 (63)... 220 (6)]	13.14	1929.6	0.07	13.12	1642.7	0.07
α -Eudesmol	15.47	2152.3	0.24	13.17	1646.9	0.13
α -Bisabolol oxide B, epimer 1	14.59*	2065.8	[5.16]	13.24*	1652.8	[5.28]
α -Bisabolol oxide B, epimer 2	14.68	2074.2	0.10	13.24*	1652.8	[5.28]
Ageratochromene	16.93	2303.3	0.11	13.29	1656.6	0.27
Unknown MARE XXIII [m/z 170, 115 (51), 153 (49), 128 (47)...]				13.31	1658.9	0.11
epi- β -Bisabolol	14.93*	2098.9	[4.43]	13.36	1663.1	0.08
β -Bisabolol	14.93*	2098.9	[4.43]	13.42	1667.9	0.07
Bisabolone oxide A	14.93*	2098.9	[4.43]	13.56	1678.9	4.41
α -Bisabolol	15.52	2157.3	1.18	13.60	1682.3	1.19
(2E,6Z)-Farnesol	16.54	2262.0	0.06	13.76	1696.3	0.04

Herniarin	21.23	2807.0	0.30	13.90	1708.0	0.16
Chamazulene	16.83	2293.3	2.36	14.03	1719.3	2.35
α -Bisabolol oxide A	17.34	2347.6	40.86	14.36	1748.1	40.24
Bisabolol oxide, epimer I				14.41	1752.5	0.07
Benzyl benzoate	19.04	2538.6	0.05	14.46	1756.5	0.06
Bisabolol oxide, epimer II				14.50	1759.6	0.16
Bisabolol oxide, epimer III				14.56	1764.8	0.05
α -Costol?				14.63	1771.5	0.52
Unknown MOPE III [m/z 94, 109 (54), 43 (53), 69 (48), 79 (40)...]	19.42	2583.5	0.01	14.70	1777.2	0.01
Phytone	14.86	2092.2	0.20	15.50	1849.4	0.38
(Z)-Spiroether	21.31	2817.3	3.52	15.76	1873.2	4.80
(E)-Spiroether	22.46	2969.4	0.47	15.89	1884.6	0.56
(Z)-Tibetin spiroether				16.13	1906.9	0.06
Methyl palmitate	15.78	2183.2	0.05	16.38	1930.8	0.05
(E)-Tibetin spiroether				16.47	1939.5	0.17
Palmitic acid				16.82	1973.0	1.85
Ethyl palmitate	16.16	2222.7	0.02	17.10	1999.3	0.02
Eicosane	13.88*	1998.0	[0.09]	17.17	2006.2	0.04
Heneicosane	14.93*	2098.9	[4.43]	18.18	2106.6	0.04
Phytol	19.29	2568.2	0.22	18.25	2114.6	0.18
Linoleic acid				18.45	2135.6	0.55
Oleic acid				18.51	2141.5	0.61
(9Z)-18- Octadecenolide?				18.76	2167.0	0.09
Tricosane	16.75	2284.0	0.54	20.06	2306.3	0.46
Tetracosane	17.65	2381.7	0.12	20.94	2405.9	0.11
Pentacosane	18.52	2479.3	0.99	21.80	2506.5	0.96
Hexacosane	19.36	2576.8	0.04	22.61	2605.4	0.05
Heptacosane	20.19	2676.8	0.29	23.41	2705.8	0.21
Unknown MARE V [m/z 69, 41 (41), 81 (41), 91 (22), 165 (22), 136 (20)...]	26.90	3608.8	0.02	24.18	2805.5	0.01
Unknown MARE I [m/z 69, 81 (32), 41 (31), 95 (16), 91 (14), 93 (13), 107 (12)... 408? (3)]	23.86	3163.7	0.04	24.79	2887.6	0.05
Unknown MARE II [m/z 69, 81 (36), 41 (31), 93 (24), 95 (19),	24.31	3229.6	0.02	25.15	2937.5	0.02

91 (14), 67 (13), 121
(12)... 408? (2)]

Total reported	89.39%	96.48%

*: 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