

Date : 2023-07-11

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

**Internal code :** 23G04-PTH03

**Customer Identification :** Organic Lavender Fine - France - LM0107R

**Type :** Essential Oil

**Source :** *Lavandula angustifolia*

**Customer :** Plant Therapy

Checked and approved by:

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

**Date :** 2023-07-06

## PHYSICOCHEMICAL DATA

**Physical aspect :** Faintly yellow liquid

**Analyst :** Cindy Caron B. Sc.

**Date :** 2023-07-05

**Refractive index :**  $1.4621 \pm 0.0003$  (20 °C)

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

**Analyst :** Cindy Caron B. Sc.

**Date :** 2023-07-05

## 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
Methacrolein	tr	Aliphatic aldehyde
3-Buten-2-one	tr	Aliphatic ketone
2-Methyl-3-buten-2-ol	0.02	Aliphatic alcohol
Isovaleral	0.01	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
2-Ethylfuran	tr	Furan
Isoamyl alcohol	0.01	Aliphatic alcohol
2-Methylbutanol	tr	Aliphatic alcohol
Toluene	0.01	Simple phenolic
Butyl acetate	0.01	Aliphatic ester
Methyl hexyl ether	0.05	Aliphatic ether
(2E)-Hexenal	0.01	Aliphatic aldehyde
(3Z)-Hexenol	0.06	Aliphatic alcohol
Hexanol	0.10	Aliphatic alcohol
Tricyclene	0.02	Monoterpene
$\alpha$ -Thujene	0.08	Monoterpene
$\alpha$ -Pinene	0.21	Monoterpene
$\alpha$ -Fenchene	0.01	Monoterpene
Camphene	0.17	Monoterpene
Thuja-2,4(10)-diene	tr	Monoterpene
Butyl isobutyrate	0.01	Aliphatic ester
Sabinene	0.01	Monoterpene
$\beta$ -Pinene	0.11	Monoterpene
Octen-3-ol	0.24	Aliphatic alcohol
6-Methyl-5-hepten-2-one	0.01	Aliphatic ketone
Octan-3-one	0.57	Aliphatic ketone
Dehydro-1,8-cineole	0.01	Monoterpenic ether
Myrcene	0.40	Monoterpene
<i>trans</i> -Dehydroxylinalool oxide	tr	Monoterpenic ether
Butyl butyrate	0.06	Aliphatic ester
Octan-3-ol	0.11	Aliphatic alcohol
$\alpha$ -Phellandrene	0.02	Monoterpene
Pseudolimonene	0.01	Monoterpene
<i>cis</i> -Dehydroxylinalool oxide	tr	Monoterpenic ether
$\Delta^3$ -Carene	0.10	Monoterpene
(3Z)-Hexenyl acetate	0.01	Aliphatic ester
$\alpha$ -Terpinene	0.03	Monoterpene
Hexyl acetate	0.25	Aliphatic ester
<i>meta</i> -Cymene	0.09	Monoterpene

<i>para</i> -Cymene	0.25	Monoterpene
Limonene	0.23	Monoterpene
1,8-Cineole	0.91	Monoterpenic ether
Lavender lactone	0.02	Aliphatic lactone
( <i>Z</i> )- $\beta$ -Ocimene	2.70	Monoterpene
( <i>E</i> )- $\beta$ -Ocimene	3.32	Monoterpene
$\gamma$ -Terpinene	0.11	Monoterpene
<i>cis</i> -Sabinene hydrate	0.07	Monoterpenic alcohol
<i>cis</i> -Linalool oxide (fur.)	0.20	Monoterpenic alcohol
Octanol	0.02	Aliphatic alcohol
$\alpha$ -Pinene oxide analog	0.04	Monoterpenic ether
Isoterpinolene	tr	Monoterpene
<i>para</i> -Cymenene	0.03	Monoterpene
Terpinolene	0.05	Monoterpene
<i>trans</i> -Linalool oxide (fur.)	0.11	Monoterpenic alcohol
Rosefuran	0.02	Monoterpenic ether
<i>trans</i> -Sabinene hydrate	0.05	Monoterpenic alcohol
Linalool	27.08	Monoterpenic alcohol
( <i>Z</i> )-6-Methyl-3,5-heptadien-2-one	0.06	Aliphatic ketone
$\beta$ -Thujone	0.03	Monoterpenic ketone
Octen-3-yl acetate	0.75	Aliphatic ester
Unknown	0.03	Unknown
$\alpha$ -Campholenal	0.02	Monoterpenic aldehyde
Octan-3-yl acetate	0.08	Aliphatic ester
<i>cis</i> -Limonene oxide	0.02	Monoterpenic ether
allo-Ocimene	0.04	Monoterpene
<i>trans</i> -Pinocarveol	0.01	Monoterpenic alcohol
( <i>Z</i> )-Myroxide	0.02	Monoterpenic ether
Camphor	0.60	Monoterpenic ketone
( <i>E</i> )-Myroxide	0.03	Monoterpenic ether
<i>trans</i> -Verbenol	0.03	Monoterpenic alcohol
Hexyl isobutyrate	tr	Aliphatic ester
Nerol oxide	0.08	Aliphatic ether
Borneol	1.25	Monoterpenic alcohol
Lavandulol	1.02	Monoterpenic alcohol
Terpinen-4-ol	3.27	Monoterpenic alcohol
(3 <i>E</i> ,5 <i>Z</i> )-Undeca-1,3,5-triene	0.01	Alkene
Cryptone	0.02	Normoterpenic ketone
<i>meta</i> -Cymen-8-ol	0.12	Monoterpenic alcohol
<i>trans</i> -Linalool oxide (pyr.)	0.03	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.15	Monoterpenic alcohol
Butyl hexanoate	0.12	Aliphatic ester
$\alpha$ -Terpineol	0.48	Monoterpenic alcohol
Myrtenal	0.03	Monoterpenic aldehyde
Hodiendiol (2,6-dimethylocta-3,7-diene-2,6-	0.21	Monoterpenic alcohol

diol)		
Hexyl butyrate	0.13	Aliphatic ester
Verbenone	0.03	Monoterpenic ketone
Unknown	0.02	Unknown
(3E,5E)-2,6-Dimethylocta-3,5,7-trien-2-ol	0.02	Monoterpenic alcohol
Octyl acetate	0.03	Aliphatic ester
<i>trans</i> -Carveol	0.02	Monoterpenic alcohol
Bornyl formate	0.10	Monoterpenic ester
Nerol	0.11	Monoterpenic alcohol
Hexyl 2-methylbutyrate	0.08	Aliphatic ester
Neral	0.04	Monoterpenic aldehyde
Carvone	0.01	Monoterpenic ketone
Hexyl isovalerate	0.01	Aliphatic ester
Geraniol	0.27	Monoterpenic alcohol
Linalyl acetate	37.16	Monoterpenic ester
<i>trans</i> -Ascaridole glycol	0.01	Monoterpenic alcohol
Geranial	0.02	Monoterpenic aldehyde
2,6-Dimethyl-1,7-octadiene-3,6-diol	0.03	Monoterpenic alcohol
Bornyl acetate	0.13	Monoterpenic ester
Lavandulyl acetate	3.47	Monoterpenic ester
Thymol	0.02	Monoterpenic alcohol
Unknown	0.04	Oxygenated monoterpene
Hexyl tiglate	0.06	Aliphatic ester
Hodiendiol derivative	0.06	Oxygenated monoterpene
Unknown	0.04	Oxygenated monoterpene
Unknown	0.04	Oxygenated monoterpene
Neryl acetate	0.23	Monoterpenic ester
$\alpha$ -Copaene	0.02	Sesquiterpene
Daucene	0.02	Sesquiterpene
$\beta$ -Bourbonene	0.03	Sesquiterpene
Geranyl acetate	0.39	Monoterpenic ester
7-epi-Sesquithujene	0.06	Sesquiterpene
$\beta$ -Elemene	0.05	Sesquiterpene
Hexyl hexanoate	0.01	Aliphatic ester
Isocaryophyllene	0.01	Sesquiterpene
Dodecanal	0.01	Aliphatic aldehyde
Sesquithujene	tr	Sesquiterpene
<i>cis</i> - $\alpha$ -Bergamotene	0.03	Sesquiterpene
$\beta$ -Caryophyllene	4.64	Sesquiterpene
$\alpha$ -Santalene	0.52	Sesquiterpene
Lavandulyl isobutyrate	0.06	Monoterpenic ester
<i>trans</i> - $\alpha$ -Bergamotene	0.16	Sesquiterpene
<i>cis</i> - $\beta$ -Bergamotene?	0.07	Sesquiterpene
$\alpha$ -Humulene	0.16	Sesquiterpene
Lavandulyl butyrate?	0.11	Monoterpenic ester

β-Santalene	0.13	Sesquiterpene
(E)-β-Farnesene	1.65	Sesquiterpene
Germacrene D	0.42	Sesquiterpene
<i>trans</i> -β-Bergamotene	0.08	Sesquiterpene
Isodaucene	0.02	Sesquiterpene
Hodiendiol derivative II	0.03	Oxygenated monoterpene
β-Bisabolene	0.03	Sesquiterpene
Lavandulyl 2-methylbutyrate	0.01	Monoterpenic ester
Lavandulyl isovalerate	0.02	Monoterpenic ester
γ-Cadinene	0.20	Sesquiterpene
Unknown	0.11	Oxygenated sesquiterpene
δ-Cadinene	0.04	Sesquiterpene
β-Sesquiphellandrene	0.02	Sesquiterpene
Isocaryophyllene epoxide B	0.05	Sesquiterpenic ether
(E)-Nerolidol	0.01	Sesquiterpenic alcohol
Caryophyllene oxide isomer	0.09	Sesquiterpenic ether
Caryophyllene oxide	0.68	Sesquiterpenic ether
Dendrolasin	0.03	Sesquiterpenic ether
Humulene epoxide II	0.02	Sesquiterpenic ether
τ-Cadinol	0.13	Sesquiterpenic alcohol
(3Z)-Caryophylla-3,8(13)-dien-5β-ol	0.02	Sesquiterpenic alcohol
<i>cis</i> -14-nor-Muurool-5-en-4-one?	0.01	Norsesquiterpenic ketone
α-Bisabolol	0.03	Sesquiterpenic alcohol
Herniarin	0.01	Coumarin
Phytone	0.02	Terpenic ketone
<b>Consolidated total</b>	<b>98.93</b>	

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

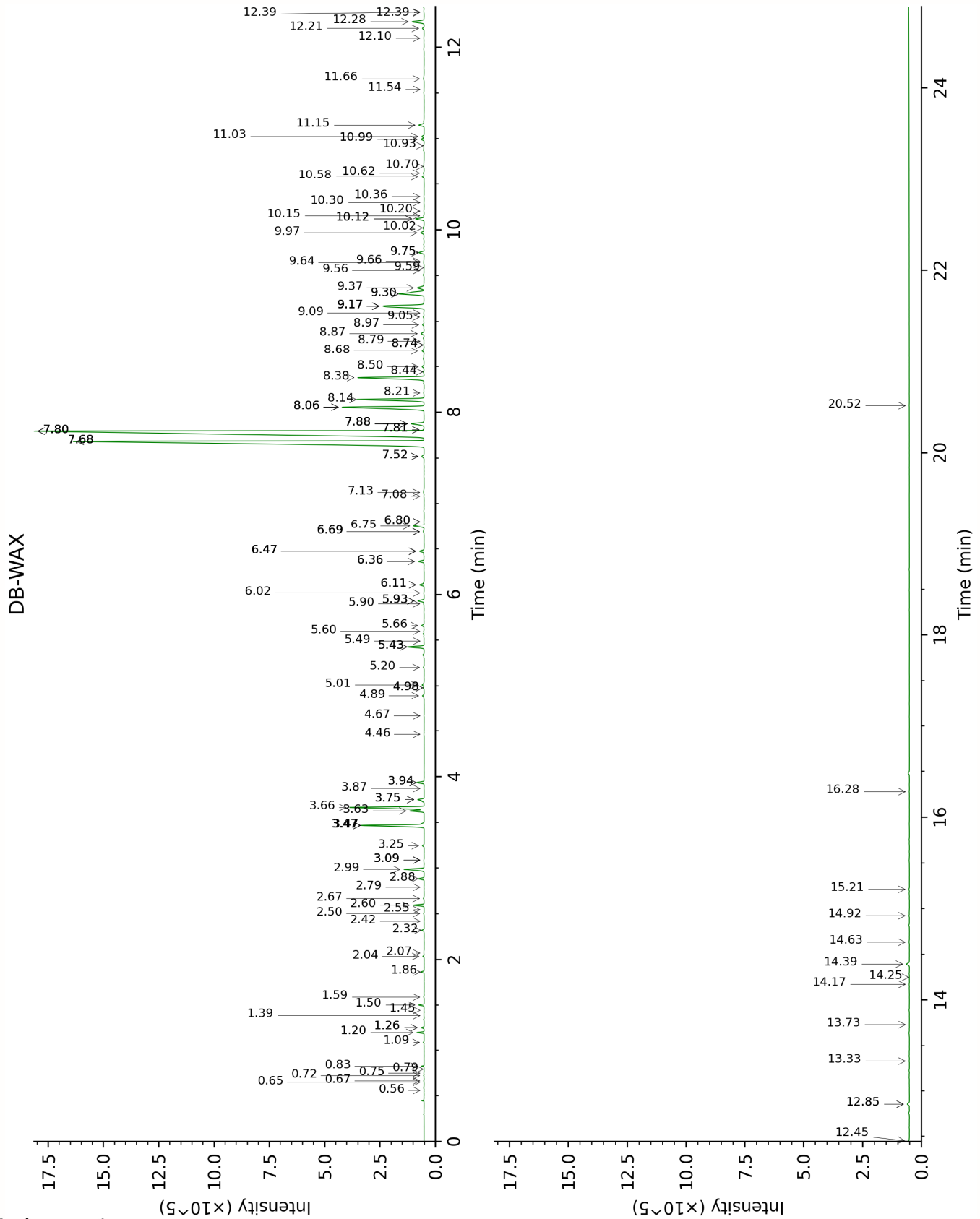
Note: no correction factor was applied

**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.

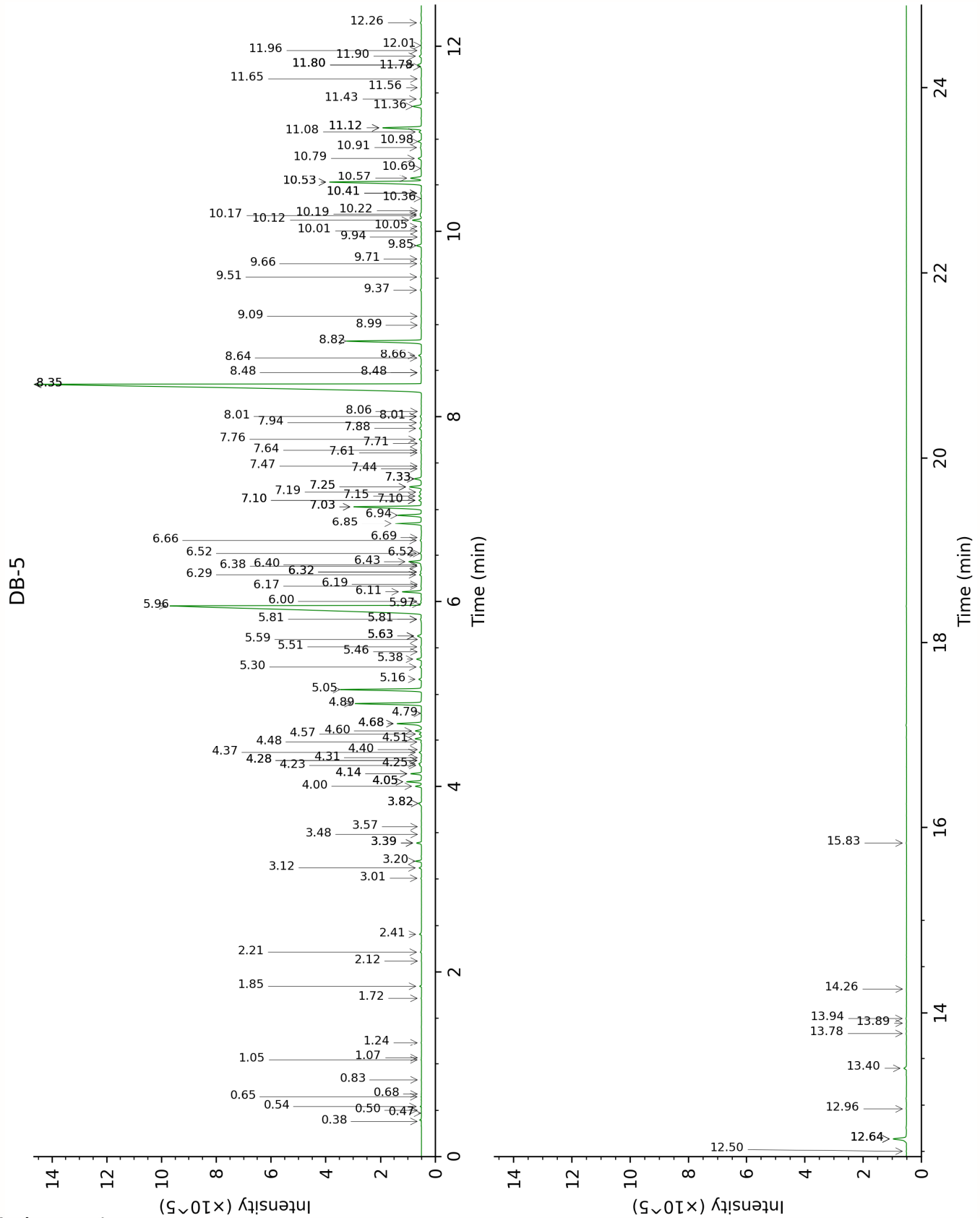
**Unknowns:** Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

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

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







FULL ANALYSIS DATA

Ethanol	Column DB-WAX			Column DB-5		
	0.72	906.5	0.01	0.38	499.1	0.01
Methacrolein	0.56	843.6	tr	0.47	550.2	tr
3-Buten-2-one	0.75	912.7	0.01	0.50	574.9	tr
2-Methyl-3-buten-2-ol	1.39	1015.9	0.01	0.54	605.7	0.02
Isovaleral	0.67	884.0	0.01	0.65	640.5	0.01
2-Methylbutyral	0.65	878.1	tr	0.68	650.5	tr
2-Ethylfuran	0.79	920.2	0.01	0.83	701.1	tr
Isoamyl alcohol	3.09*	1173.3	[0.03]	1.05	732.5	0.01
2-Methylbutanol	3.09*	1173.3	[0.03]	1.07	735.7	tr
Toluene	1.26*	999.9	[0.09]	1.24	758.6	0.01
Butyl acetate	1.59	1036.5	0.01	1.72	816.2	0.01
Methyl hexyl ether	0.83	925.7	0.05	1.85	826.8	0.05
(2E)-Hexenal	3.09*	1173.3	[0.03]	2.12	849.0	0.01
(3Z)-Hexenol	5.43*	1348.2	[0.73]	2.22	856.9	0.06
Hexanol	5.01	1317.8	0.11	2.41	872.6	0.10
Tricyclene	1.10	971.8	0.02	3.01	918.6	0.02
α-Thujene	1.26*	999.9	[0.09]	3.12	925.9	0.08
α-Pinene	1.20	990.6	0.21	3.20	930.7	0.21
α-Fenchene	1.45	1021.7	0.01	3.39*	943.5	[0.19]
Camphene	1.50	1027.7	0.17	3.39*	943.5	[0.19]
Thuja-2,4(10)-diene	2.04	1082.4	0.05	3.48	949.6	tr
Butyl isobutyrate	2.42	1118.7	0.01	3.57	955.1	0.01
Sabinene	2.07	1086.3	0.01	3.82*	971.6	[0.16]
β-Pinene	1.86	1064.8	0.11	3.82*	971.6	[0.16]
Octen-3-ol	6.36*	1416.6	[0.25]	4.00	983.7	0.24
6-Methyl-5-hepten-2-one	4.67	1297.5	0.01	4.05*	986.9	[0.58]
Octan-3-one	3.63	1217.1	0.57	4.05*	986.9	[0.58]
Dehydro-1,8-cineole	2.79	1149.1	0.01	4.05*	986.9	[0.58]
Myrcene	2.60	1133.0	0.40	4.14*	992.6	[0.41]
trans-Dehydroxylinalool oxide	3.09*	1173.3	[0.03]	4.14*	992.6	[0.41]
Butyl butyrate	3.25	1186.4	0.07	4.23	998.4	0.06
Octan-3-ol	5.66	1365.2	0.12	4.24	999.6	0.11
α-Phellandrene	2.50	1125.6	0.02	4.28*†	1001.9	[0.02]
Pseudolimonene	2.55	1129.0	0.01	4.28*†	1001.9	[0.02]
cis-Dehydroxylinalool oxide	3.47*	1204.7	[2.83]	4.31*†	1003.9	[0.01]
Δ3-Carene	2.32	1110.7	0.09	4.37	1007.6	0.10

(3Z)-Hexenyl acetate	4.46	1281.7	0.01	4.40	1009.4	0.01
$\alpha$ -Terpinene	2.67	1138.9	0.03	4.48	1014.5	0.03
Hexyl acetate	3.94*	1240.9	[0.31]	4.52	1016.7	0.25
<i>meta</i> -Cymene	3.75*†	1226.5	[0.28]	4.57	1019.9	0.09
<i>para</i> -Cymene	3.75*†	1226.5	[0.28]	4.60	1022.0	0.25
Limonene	2.88	1156.6	0.23	4.68*	1026.9	[1.13]
1,8-Cineole	2.99	1165.0	0.91	4.68*	1026.9	[1.13]
Lavender lactone	8.78	1603.0	0.02	4.79	1033.9	0.02
(Z)- $\beta$ -Ocimene	3.47*	1204.7	[2.83]	4.89	1040.4	2.70
(E)- $\beta$ -Ocimene	3.66	1220.0	3.34	5.05	1050.4	3.32
$\gamma$ -Terpinene	3.47*	1204.7	[2.83]	5.16	1057.3	0.11
<i>cis</i> -Sabinene hydrate	6.48*	1425.1	[0.24]	5.30	1065.6	0.07
<i>cis</i> -Linalool oxide (fur.)	6.11*	1397.8	[0.21]	5.38	1070.9	0.20
Octanol	7.80*	1525.2	[37.00]	5.46	1075.8	0.03
$\alpha$ -Pinene oxide analog	4.98*	1315.6	[0.05]	5.51	1079.2	0.04
Isoterpinolene	3.87	1235.9	0.01	5.59	1084.2	tr
<i>para</i> -Cymenene	5.90	1382.6	0.03	5.63*	1086.5	[0.19]
Terpinolene	3.94*	1240.9	[0.31]	5.63*	1086.5	[0.19]
<i>trans</i> -Linalool oxide (fur.)	6.48*	1425.1	[0.24]	5.63*	1086.5	[0.19]
Rosefuran	5.60	1360.7	0.02	5.81*	1097.7	[0.07]
<i>trans</i> -Sabinene hydrate	7.52*	1503.6	[0.14]	5.81*	1097.7	[0.07]
Linalool	7.68*	1516.3	[27.08]	5.96	1106.8	27.08
(Z)-6-Methyl-3,5-heptadien-2-one	7.81*	1526.3	[0.03]	5.97	1108.0	0.06
$\beta$ -Thujone	5.93*	1385.0	[0.28]	6.00	1109.9	0.03
Octen-3-yl acetate	5.43*	1348.2	[0.73]	6.11	1116.5	0.75
Unknown LAAN I [m/z 82, 81 (72), 43 (64), 54 (32), 41 (20)...]	9.17*	1634.3	[2.84]	6.17	1120.3	0.03
$\alpha$ -Campholenal	6.69*	1441.1	[0.06]	6.19	1121.6	0.02
Octan-3-yl acetate	4.89	1309.2	0.07	6.29	1128.2	0.07
<i>cis</i> -Limonene oxide	6.02	1391.3	0.02	6.32*	1130.1	[0.06]
allo-Ocimene	5.20	1331.8	0.04	6.32*	1130.1	[0.06]
<i>trans</i> -Pinocarveol	8.74*	1599.8	[0.03]	6.38	1134.1	0.01
(Z)-Myroxide	6.48*	1425.1	[0.24]	6.40	1134.9	0.02
Camphor	6.75	1445.9	0.52	6.43	1137.1	0.60
(E)-Myroxide	6.69*	1441.1	[0.06]	6.52*	1142.8	[0.06]
<i>trans</i> -Verbenol	9.09	1628.1	0.03	6.52*	1142.8	[0.06]

Hexyl isobutyrate	4.98*	1315.6	[0.05]	6.66*†	1151.7	[0.05]
Nerol oxide	6.48*	1425.1	[0.24]	6.69*†	1153.7	[0.02]
Borneol	9.30*	1645.3	[1.73]	6.85	1163.6	1.25
Lavandulol	9.17*	1634.3	[2.84]	6.94	1169.5	1.02
Terpinen-4-ol	8.14	1552.4	3.27	7.03*	1175.3	[3.36]
(3E,5Z)-Undeca-1,3,5-triene	5.49	1352.8	0.01	7.03*	1175.3	[3.36]
Cryptone	8.74*	1599.8	[0.03]	7.10*	1179.7	[0.12]
meta-Cymen-8-ol	11.00*	1788.4	[0.14]	7.10*	1179.7	[0.12]
trans-Linalool oxide (pyr.)	10.15	1715.7	0.03	7.10*	1179.7	[0.12]
para-Cymen-8-ol	11.03	1791.0	0.10	7.15	1182.6	0.15
Butyl hexanoate	5.93*	1385.0	[0.28]	7.19	1185.3	0.12
α-Terpineol	9.30*	1645.3	[1.73]	7.25*	1189.0	[0.56]
Myrtenal	8.21	1558.0	0.03	7.25*	1189.0	[0.56]
Hodiendiol (2,6-dimethylocta-3,7-diene-2,6-diol)	12.39*	1913.1	[0.03]	7.33*	1194.5	[0.35]
Hexyl butyrate	5.93*	1385.0	[0.28]	7.33*	1194.5	[0.35]
Verbenone	9.17*	1634.3	[2.84]	7.44	1201.4	0.03
Unknown SASC VII [m/z 43, 71 (66), 59 (52), 41 (47), 68 (46)...]	7.08	1470.8	0.01	7.47	1203.2	0.02
(3E,5E)-2,6-Dimethylocta-3,5,7-trien-2-ol	10.92	1782.3	0.02	7.61	1212.7	0.02
Octyl acetate	6.69*	1441.1	[0.06]	7.64	1214.5	0.03
trans-Carveol	11.00*	1788.4	[0.14]	7.71	1219.4	0.02
Bornyl formate	7.68*	1516.3	[27.08]	7.76	1222.4	0.10
Nerol	10.58	1752.6	0.11	7.88	1230.2	0.11
Hexyl 2-methylbutyrate	6.11*	1397.8	[0.21]	7.94	1234.3	0.07
Neral	9.05	1624.4	0.04	8.00*	1238.9	[0.06]
Carvone	9.56	1666.4	0.01	8.00*	1238.9	[0.06]
Hexyl isovalerate	6.36*	1416.6	[0.25]	8.06	1242.4	0.01
Geraniol	11.15	1801.7	0.27	8.35*	1261.9	[37.43]
Linalyl acetate	7.80*	1525.2	[37.00]	8.35*	1261.9	[37.43]
trans-Ascaridole glycol	13.73	2041.3	0.01	8.48*	1270.3	[0.04]
Geranial	9.66	1674.6	0.02	8.48*	1270.3	[0.04]
2,6-Dimethyl-1,7-octadiene-3,6-diol	14.17	2084.6	0.02	8.64	1281.0	0.03
Bornyl acetate	7.88*	1531.5	[0.68]	8.66	1282.8	0.13
Lavandulyl acetate	8.38	1571.2	3.46	8.82	1293.6	3.47

Thymol	14.63	2130.7	0.03	9.00	1305.0	0.02
Unknown CUSE IV [m/z 150, 107 (98), 91 (79), 108 (61)]	11.54	1836.5	0.01	9.09	1311.7	0.04
Hexyl tiglate	8.44	1576.1	0.05	9.37	1331.5	0.06
Hodiendiol derivative	12.45	1918.8	0.06	9.51	1341.5	0.06
Unknown SASC II [m/z 43, 79 (47), 71 (31), 94 (27), 81 (23), 41 (22)... 197 (0)]	10.62	1756.4	0.04	9.66	1351.5	0.04
Unknown SASC III [m/z 43, 79 (46), 71 (30), 94 (25), 41 (23), 81 (21)... 197 (0)]	10.70	1762.8	0.03	9.71	1355.1	0.03
Neryl acetate	9.75*	1682.4	[0.25]	9.85	1365.2	0.23
$\alpha$ -Copaene	6.80*	1449.8	[0.02]	9.94	1371.7	0.02
Daucene	6.80*	1449.8	[0.02]	10.01	1376.3	0.02
$\beta$ -Bourbonene	7.13	1474.0	0.05	10.05	1379.6	0.03
Geranyl acetate	10.12*	1712.8	[0.42]	10.12	1384.4	0.39
7-epi- Sesquithujene	7.52*	1503.6	[0.14]	10.17	1387.9	0.06
$\beta$ -Elemene	8.06*	1545.7	[4.78]	10.19	1389.1	0.05
Hexyl hexanoate	8.50	1580.7	0.11	10.22	1391.6	0.01
Isocaryophyllene	7.80*	1525.2	[37.00]	10.36	1400.9	0.01
Dodecanal	9.59	1668.8	0.01	10.41*	1404.9	[0.05]
Sesquithujene	7.81*	1526.3	[0.03]	10.41*	1404.9	[0.05]
<i>cis</i> - $\alpha$ -Bergamotene	7.88*	1531.5	[0.68]	10.53*	1413.7	[4.67]
$\beta$ -Caryophyllene	8.06*	1545.7	[4.78]	10.53*	1413.7	[4.67]
$\alpha$ -Santalene	7.88*	1531.5	[0.68]	10.57	1416.9	0.52
Lavandulyl isobutyrate	8.97	1617.6	0.08	10.69	1425.2	0.06
<i>trans</i> - $\alpha$ - Bergamotene	8.06*	1545.7	[4.78]	10.79	1433.2	0.16
<i>cis</i> - $\beta$ -Bergamotene?				10.91	1442.0	0.07
$\alpha$ -Humulene	8.87	1609.6	0.16	10.98	1446.8	0.16
Lavandulyl butyrate?	10.12*	1712.8	[0.42]	11.08	1454.5	0.11
$\beta$ -Santalene	8.68	1594.4	0.13	11.12*	1457.8	[1.78]
( <i>E</i> )- $\beta$ -Farnesene	9.17*	1634.3	[2.84]	11.12*	1457.8	[1.78]
Germacrene D	9.37	1650.7	0.44	11.36	1475.0	0.42
<i>trans</i> - $\beta$ - Bergamotene	9.17*	1634.3	[2.84]	11.43	1480.9	0.08
Isodaucene	9.64	1673.4	0.02	11.56	1490.0	0.02
Hodiendiol	12.39*	1913.1	[0.03]	11.65	1497.1	0.03

derivative II						
β-Bisabolene	9.75*	1682.4	[0.25]	11.78	1506.8	0.03
Lavandulyl 2-methylbutyrate	10.36	1733.8	0.01	11.80*	1508.3	[0.21]
Lavandulyl isovalerate	10.30	1728.2	0.02	11.80*	1508.3	[0.21]
γ-Cadinene	9.97	1700.2	0.20	11.80*	1508.3	[0.21]
Unknown CULO LIV [m/z 121, 93 (56), 91 (12), 94 (11), 122 (10)...220]	12.85*	1957.2	[0.12]	11.90	1515.8	0.11
δ-Cadinene	10.02	1704.6	0.07	11.96	1520.6	0.04
β-Sesquiphellandrene	10.20	1720.2	0.02	12.01	1524.9	0.02
Isocaryophyllene epoxide B	11.66	1847.0	0.06	12.26	1544.1	0.05
(E)-Nerolidol	13.33	2001.7	0.02	12.50	1563.4	0.01
Caryophyllene oxide isomer	12.21	1896.9	0.09	12.64*	1573.8	[0.75]
Caryophyllene oxide	12.28	1903.5	0.68	12.64*	1573.8	[0.75]
Dendrolasin	12.10	1887.2	0.03	12.64*	1573.8	[0.75]
Humulene epoxide II	12.85*	1957.2	[0.12]	12.96	1599.3	0.02
τ-Cadinol	14.40	2106.5	0.17	13.40	1635.1	0.13
(3Z)-Caryophylla-3,8(13)-dien-5β-ol	16.28	2303.5	0.02	13.78	1666.8	0.02
cis-14-nor-Muurool-5-en-4-one?	15.21	2190.2	0.03	13.89	1675.9	0.01
α-Bisabolol	14.92	2160.5	0.02	13.94	1680.1	0.03
Herniarin	20.52	2806.7	0.01	14.26	1706.4	0.01
Phytone	14.25	2092.3	0.01	15.83	1844.5	0.02
Total reported		98.14%			99.04%	

\*: 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