

Date : 2025-09-03

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 25H06-PTH03

Customer Identification : Organic Peppermint - India - P40115R

Type : Essential Oil

Source : *Mentha x piperita*

Customer : Plant Therapy

Checked and approved by:

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

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This report is an update from the first version issued on 2025-08-19 to format it for online publication.

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 : 2025-08-13

PHYSICOCHEMICAL DATA

Refractive index : 1.4602 ± 0.0003 (20 °C)

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

Analyst : Cindy Caron B. Sc.

Date : 2025-08-06

ANALYSIS SUMMARY - CONSOLIDATED CONTENTS

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

Identification	%	Class
Isovaleral	tr	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
Isoamyl alcohol	0.01	Aliphatic alcohol
2-Methylbutanol	tr	Aliphatic alcohol
Ethyl 2-methylbutyrate	tr	Aliphatic ester
(3Z)-Hexenol	0.03	Aliphatic alcohol
Hexanol	0.01	Aliphatic alcohol
<i>trans</i> -2,5-Diethyltetrahydrofuran	0.04	Furan
Hashishene	0.01	Monoterpene
α -Thujene	0.06	Monoterpene
α -Pinene	0.92	Monoterpene
<i>trans</i> -3-Methylcyclohexanol	0.02	Aliphatic alcohol
Camphene	0.03	Monoterpene
3-Methylcyclohexanone	0.21	Aliphatic ketone
Thuja-2,4(10)-diene	0.01	Monoterpene
Sabinene	0.33	Monoterpene
<i>cis-para</i> -Menthane	0.01	Monoterpene
β -Pinene	1.05	Monoterpene
<i>cis</i> -Carane	0.11	Monoterpene
Octen-3-ol	0.02	Aliphatic alcohol
Octan-3-one	0.03	Aliphatic ketone
<i>trans-para</i> -Menthane	0.02	Monoterpene
Myrcene	0.16	Monoterpene
Octan-3-ol	0.27	Aliphatic alcohol
α -Phellandrene	0.02	Monoterpene
Pseudolimonene	0.02	Monoterpene
Δ^3 -Carene	0.01	Monoterpene
α -Terpinene	0.14	Monoterpene
Carvomenthene	0.02	Aliphatic alcohol
<i>para</i> -Cymene	0.20	Monoterpene
Limonene	2.37	Monoterpene
1,8-Cineole	5.75	Monoterpenic ether
2-Ethylhexanol	0.04	Aliphatic alcohol
(Z)- β -Ocimene	0.10	Monoterpene
(E)- β -Ocimene	0.04	Monoterpene
γ -Terpinene	0.22	Monoterpene
<i>cis</i> -Sabinene hydrate	0.18	Monoterpenic alcohol
<i>para</i> -Mentha-3,8-diene	0.01	Monoterpene
<i>cis</i> -Linalool oxide (fur.)	0.04	Monoterpenic alcohol
Octanol	0.11	Aliphatic alcohol

Terpinolene isomer	0.01	Monoterpene
Terpinolene	0.09	Monoterpene
<i>para</i> -Cymenene	0.03	Monoterpene
Unknown	0.02	Unknown
Tetrahydrolinalool	0.02	Monoterpenic alcohol
α -Pinene oxide	0.01	Monoterpenic ether
<i>trans</i> -Sabinene hydrate	0.02	Monoterpenic alcohol
Unknown	0.01	Unknown
Linalool	0.16	Monoterpenic alcohol
Nonan-3-ol	0.02	Aliphatic alcohol
2-Methylbutyl 2-methylbutyrate	0.03	Aliphatic ester
β -Thujone	tr	Monoterpenic ketone
Amyl isovalerate	0.04	Aliphatic ester
<i>cis-para</i> -Menth-2-en-1-ol	0.05	Monoterpenic alcohol
<i>cis</i> -Limonene oxide	tr	Monoterpenic ether
Octan-3-yl acetate	0.01	Aliphatic ester
<i>cis-para</i> -Mentha-2,8-dien-1-ol	0.03	Monoterpenic alcohol
<i>cis</i> - α -Dihydroterpineol	0.10	Monoterpenic alcohol
Isopulegol	0.16	Monoterpenic alcohol
Menthone	25.66	Monoterpenic ketone
Menthofuran	2.08	Monoterpenic ether
Isomenthone	4.01	Monoterpenic ketone
neo-Menthol	3.67	Monoterpenic alcohol
Terpinen-4-ol	0.32	Monoterpenic alcohol
Menthol	35.25	Monoterpenic alcohol
Isomenthol	0.82	Monoterpenic alcohol
<i>para</i> -Cymen-8-ol	0.04	Monoterpenic alcohol
neoiso-Menthol	0.14	Monoterpenic alcohol
α -Terpineol	0.33	Monoterpenic alcohol
Dihydrocarveol	0.02	Monoterpenic alcohol
neo-Dihydrocarveol	0.02	Monoterpenic alcohol
Methylchavicol	0.01	Phenylpropanoid
<i>trans</i> -Isopiperitenol	0.02	Monoterpenic alcohol
Unknown	0.01	Unknown
<i>trans</i> -Piperitol	0.03	Monoterpenic alcohol
Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...]	0.05	Unknown
iso-Dihydrocarveol ?	0.01	Monoterpenic alcohol
<i>trans</i> -Carveol	0.03	Monoterpenic alcohol
(3Z)-Hexenyl 2-methylbutyrate	0.02	Aliphatic ester
Citronellol	0.02	Monoterpenic alcohol
Pulegone	1.19	Monoterpenic ketone
Carvone	0.05	Monoterpenic ketone
Piperitone	0.41	Monoterpenic ketone
Pseudodiosphenol	0.01	Monoterpenic alcohol

Decanol	0.05	Aliphatic alcohol
neo-Menthyl acetate	0.13	Monoterpenic ester
Dihydroedulan I	0.04	Terpenic ether
Thymol	0.03	Monoterpenic alcohol
Diosphenol	0.01	Monoterpenic alcohol
Menthyl acetate	5.45	Monoterpenic ester
Isomenthyl acetate	0.09	Monoterpenic alcohol
Bicycloelemene analog	0.01	Sesquiterpene
Bicycloelemene	0.05	Sesquiterpene
α -Cubebene	0.01	Sesquiterpene
Unknown	0.01	Sesquiterpene
Eugenol	0.02	Phenylpropanoid
Citronellyl acetate	0.01	Monoterpenic ester
Longicyclene	0.02	Sesquiterpene
α -Ylangene	0.03	Sesquiterpene
α -Copaene	0.04	Sesquiterpene
β -Bourbonene isomer	0.01	Sesquiterpene
Unknown	0.02	Unknown
β -Bourbonene	0.15	Sesquiterpene
1,5-diepi- β -Bourbonene	0.01	Sesquiterpene
β -Cubebene	0.01	Sesquiterpene
β -Elemene	0.09	Sesquiterpene
(Z)-Jasmone	0.02	Jasmonate
Cyperene	0.01	Sesquiterpene
Longifolene	0.03	Sesquiterpene
Isocaryophyllene	0.04	Sesquiterpene
Decyl acetate	0.05	Aliphatic ester
Unknown	0.02	Sesquiterpene
β -Caryophyllene	3.61	Sesquiterpene
β -Ylangene	0.15	Sesquiterpene
Unknown	0.01	Unknown
Unknown	0.04	Unknown
β -Copaene	0.06	Sesquiterpene
Unknown	0.02	Sesquiterpene
<i>trans</i> - α -Bergamotene	0.03	Sesquiterpene
Isogermacrene D	0.03	Sesquiterpene
Unknown	0.01	Sesquiterpene
α -Humulene	0.07	Sesquiterpene
ϵ -Murolene?	0.04	Sesquiterpene
allo-Aromadendrene	0.02	Sesquiterpene
(E)- β -Farnesene	0.15	Sesquiterpene
γ -Murolene	0.04	Sesquiterpene
Germacrene D	0.57	Sesquiterpene
Phenylethyl isovalerate	0.01	Phenolic ester
Bicyclogermacrene	0.13	Sesquiterpene

Viridiflorene	0.03	Sesquiterpene
α -Muurolene	0.04	Sesquiterpene
γ -Cadinene	0.03	Sesquiterpene
<i>trans</i> -Calamenene	0.01	Sesquiterpene
δ -Cadinene	0.06	Sesquiterpene
α -Cadinene	0.01	Sesquiterpene
Isocaryophyllene epoxide B	0.01	Sesquiterpenic ether
(<i>E</i>)-Nerolidol	0.01	Sesquiterpenic alcohol
Spathulenol	0.01	Sesquiterpenic alcohol
Caryophyllene oxide	0.05	Sesquiterpenic ether
Caryophyllene oxide isomer	0.01	Sesquiterpenic ether
Viridiflorol	0.06	Sesquiterpenic alcohol
Consolidated total	99.50	

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

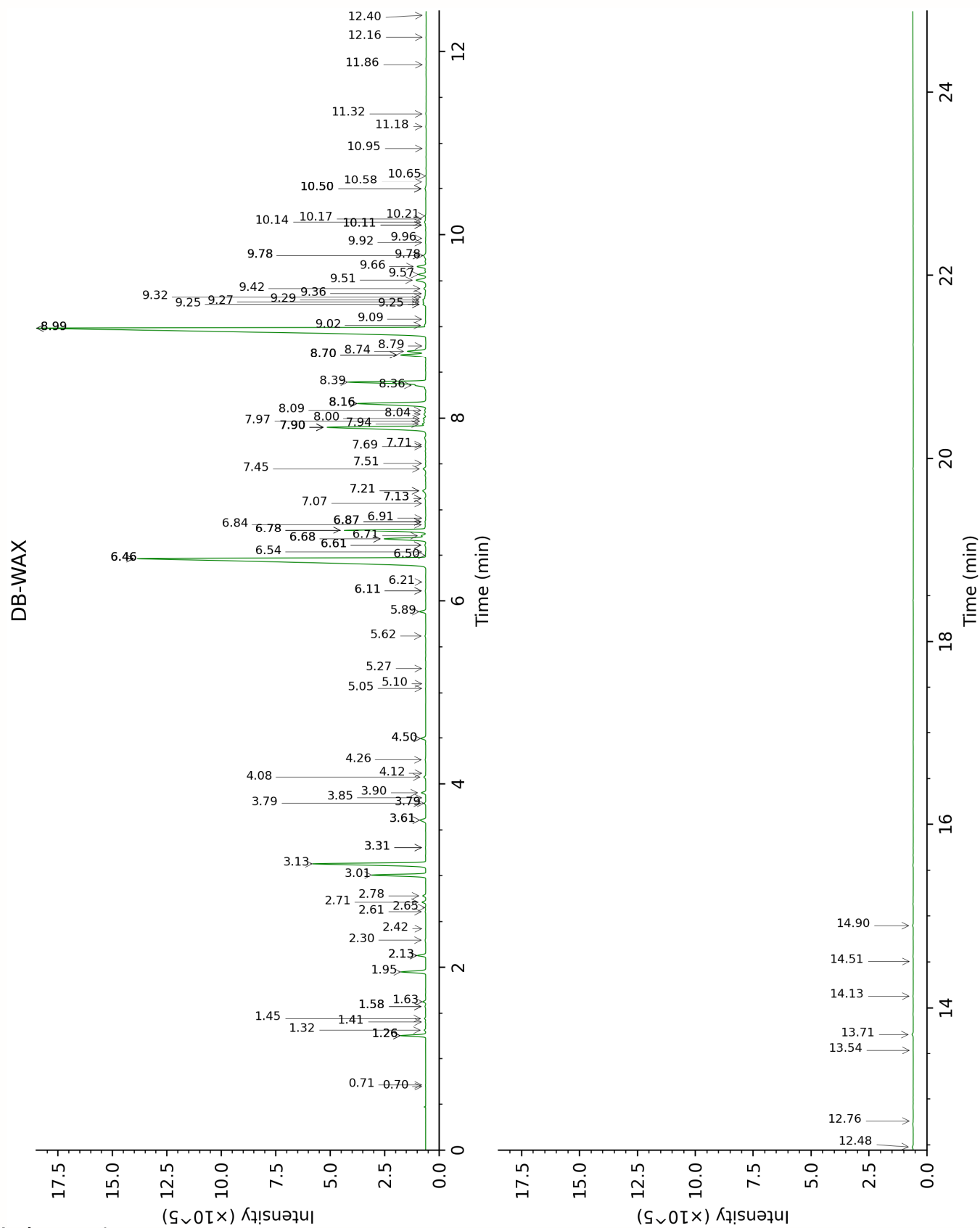
Note: no correction factor was applied

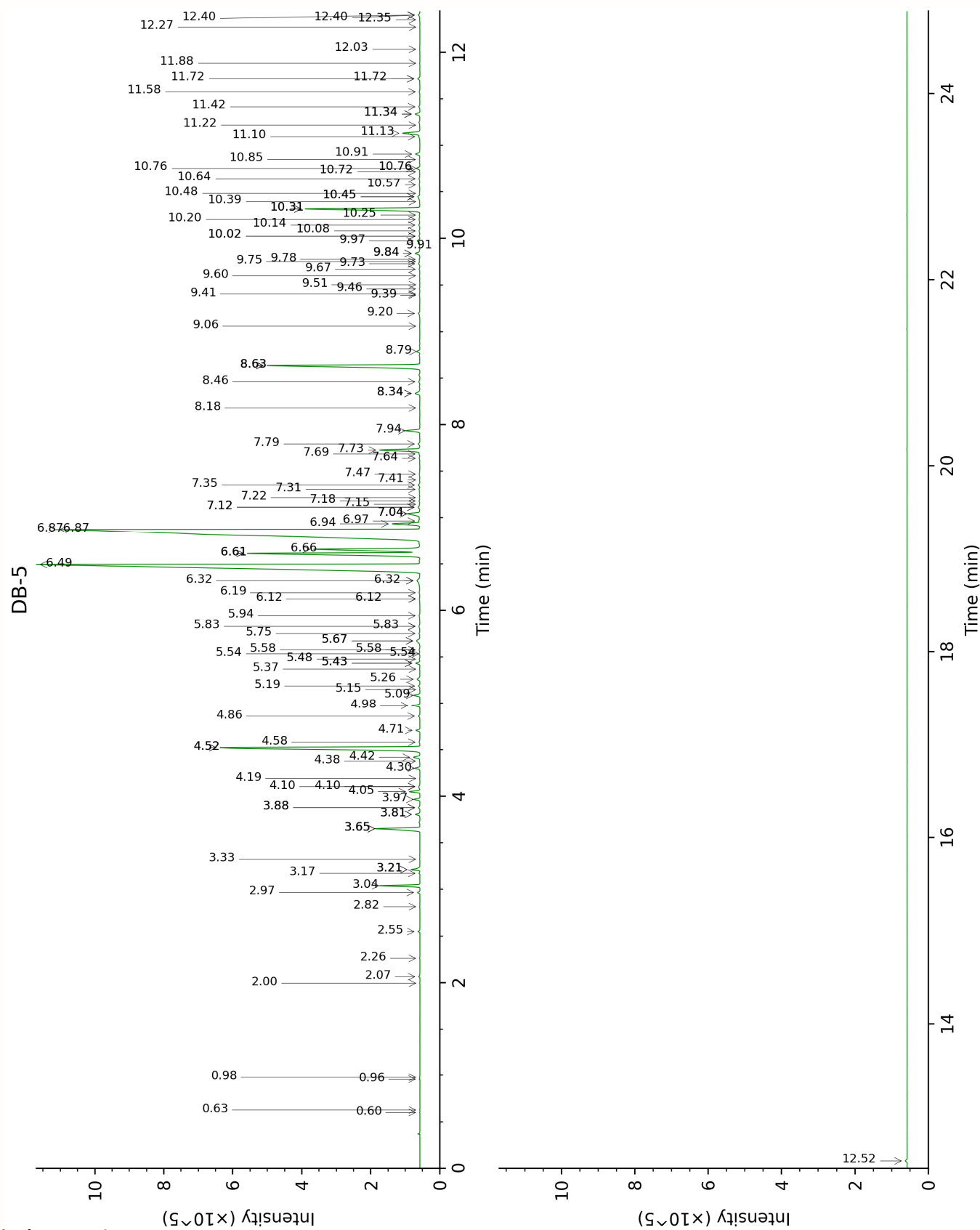
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

Isovaleral	Column DB-WAX			Column DB-5		
	0.71	889.9	tr	0.60	643.1	tr
2-Methylbutyral	0.70	882.5	tr	0.63	652.7	tr
Isoamyl alcohol	3.31*	1182.2	[0.02]	0.96	732.6	0.01
2-Methylbutanol	3.31*	1182.2	[0.02]	0.98	735.5	tr
Ethyl 2-methylbutyrate	1.58*	1026.3	[0.03]	2.00	849.9	tr
(3Z)-Hexenol	5.62	1353.7	0.04	2.07	855.8	0.03
Hexanol	5.27	1328.2	0.01	2.26	872.3	0.01
trans-2,5-Diethyltetrahydrofuran	1.44	1012.8	0.04	2.55	896.5	0.04
Hashishene	1.26*	990.7	[0.94]	2.82	916.1	0.01
α -Thujene	1.32	999.6	0.05	2.97	926.2	0.06
α -Pinene	1.26*	990.7	[0.94]	3.04	931.1	0.92
trans-3-Methylcyclohexanol	6.54	1420.2	0.01	3.17	940.0	0.02
Camphene	1.58*	1026.3	[0.03]	3.21*	942.6	[0.24]
3-Methylcyclohexanone	4.50*	1272.1	[0.23]	3.21*	942.6	[0.24]
Thuja-2,4(10)-diene	2.13*	1084.2	[0.34]	3.32	950.1	0.01
Sabinene	2.13*	1084.2	[0.34]	3.65*	972.0	[1.43]
cis-para-Menthane	1.26*	990.7	[0.94]	3.65*	972.0	[1.43]
β -Pinene	1.95	1065.6	1.05	3.65*	972.0	[1.43]
cis-Carane	1.63	1031.8	0.11	3.81*	982.3	[0.13]
Octen-3-ol	6.61*	1425.7	[0.05]	3.81*	982.3	[0.13]
Octan-3-one	3.79*	1219.5	[0.06]	3.88*	987.2	[0.05]
trans-para-Menthane	1.41	1008.9	0.02	3.88*	987.2	[0.05]
Myrcene	2.71	1134.1	0.15	3.97	993.1	0.16
Octan-3-ol	5.89	1372.8	0.27	4.05	998.7	0.27
α -Phellandrene	2.61	1125.8	0.02	4.10*	1002.3	[0.05]
Pseudolimonene	2.65	1129.4	0.02	4.10*	1002.3	[0.05]
Δ^3 -Carene	2.42	1110.9	0.01	4.19	1007.9	0.01
α -Terpinene	2.78	1139.7	0.13	4.30	1014.9	0.14
Carvomenthene	2.30	1100.8	0.04	4.38	1019.7	0.02
para-Cymene	3.90	1228.0	0.19	4.42	1022.4	0.20
Limonene	3.01	1158.0	2.37	4.52*	1028.9	[8.10]
1,8-Cineole	3.13	1167.9	5.75	4.52*	1028.9	[8.10]
2-Ethylhexanol	7.13*	1464.0	[0.05]	4.58	1032.6	0.04
(Z)- β -Ocimene	3.61*	1205.8	[0.32]	4.71	1040.7	0.10
(E)- β -Ocimene	3.79*	1219.5	[0.06]	4.86	1050.4	0.04
γ -Terpinene	3.61*	1205.8	[0.32]	4.98	1057.8	0.22
cis-Sabinene hydrate	6.71	1433.3	0.17	5.09	1065.0	0.18
para-Mentha-3,8-diene	3.85	1223.9	0.01	5.15	1068.8	0.01
cis-Linalool oxide (fur.)	6.46*	1414.8	[25.78]	5.19	1071.3	0.04
Octanol	8.00	1529.9	0.11	5.26	1076.0	0.11

Terpinolene isomer	4.12	1243.9	0.01	5.37	1082.9	0.01
Terpinolene	4.08	1240.7	0.09	5.44*	1086.9	[0.12]
<i>para</i> -Cymenene	6.11*	1389.0	[0.03]	5.44*	1086.9	[0.12]
Unknown MISC CVIII [m/z 71, 95 (34), 81 (29), 55 (22), 41 (19), 124 (16)...]				5.48	1089.7	0.02
Tetrahydrolinalool	6.46*	1414.8	[25.78]	5.54*	1093.3	[0.03]
α -Pinene oxide	5.10	1316.4	0.01	5.54*	1093.3	[0.03]
<i>trans</i> -Sabinene hydrate	7.71	1507.9	0.02	5.58*	1096.0	[0.03]
Unknown MISC CIX [m/z 71, 81 (38), 95 (33), 55 (28), 41 (22), 82 (17)...]				5.58*	1096.0	[0.03]
Linalool	7.90*	1522.6	[5.72]	5.67*	1102.1	[0.18]
Nonan-3-ol	7.07	1460.0	0.02	5.67*	1102.1	[0.18]
2-Methylbutyl 2- methylbutyrate	4.26	1254.8	0.03	5.75	1107.3	0.03
β -Thujone	6.11*	1389.0	[0.03]	5.83*	1112.2	[0.04]
Amyl isovalerate	4.50*	1272.1	[0.23]	5.83*	1112.2	[0.04]
<i>cis-para</i> -Menth-2-en-1- ol	7.90*	1522.6	[5.72]	5.94	1119.6	0.05
<i>cis</i> -Limonene oxide	6.21	1396.0	tr	6.12*	1131.2	[0.02]
Octan-3-yl acetate	5.05	1312.7	0.01	6.12*	1131.2	[0.02]
<i>cis-para</i> -Mentha-2,8- dien-1-ol	9.25*†	1628.1	[0.14]	6.19	1135.6	0.03
<i>cis</i> - α -Dihydroterpineol	7.97	1527.7	0.10	6.32*	1144.0	[0.22]
Isopulegol	7.94	1525.3	0.16	6.32*	1144.0	[0.22]
Menthone	6.46*	1414.8	[25.78]	6.49	1155.2	25.66
Menthofuran	6.68*	1430.8	[2.10]	6.61*	1163.0	[6.14]
Isomenthone	6.78*	1438.1	[4.09]	6.61*	1163.0	[6.14]
neo-Menthol	8.39	1560.7	3.72	6.66	1165.9	3.67
Terpinen-4-ol	8.36	1558.0	0.32	6.87*	1180.0	[35.57]
Menthol	8.99*	1607.2	[35.00]	6.87*	1180.0	[35.57]
Isomenthol	8.74*†	1587.2	[0.84]	6.94	1184.0	0.82
<i>para</i> -Cymen-8-ol	11.32	1801.6	0.02	6.97	1186.0	0.04
neoiso-Menthol	9.27*†	1630.3	[0.12]	7.04*	1191.1	[0.48]
α -Terpineol	9.57	1654.5	0.33	7.04*	1191.1	[0.48]
Dihydrocarveol	10.21	1706.5	0.02	7.12*	1195.7	[0.07]
neo-Dihydrocarveol	9.92	1682.5	0.02	7.12*	1195.7	[0.07]
Methylchavicol	9.08	1615.1	0.04	7.15	1197.7	0.01
<i>trans</i> -Isopiperitenol	10.17	1703.6	0.02	7.18	1200.1	0.02
Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986]				7.22	1202.4	0.01

(43), 126 (36), 71 (28)... 170 (12)]						
<i>trans</i> -Piperitol	10.11*	1698.0	[0.02]	7.31	1208.2	0.03
Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...]				7.35	1211.4	0.05
<i>iso</i> -Dihydrocarveol ?	10.58	1738.1	0.01	7.41	1215.1	0.01
<i>trans</i> -Carveol	11.18	1789.5	0.03	7.47	1219.3	0.03
(3 <i>Z</i>)-Hexenyl 2- methylbutyrate	6.84†	1442.8	0.03	7.64	1230.9	0.02
Citronellol	10.50*	1731.4	[0.07]	7.69	1234.1	0.02
Pulegone	8.70*†	1584.1	[1.23]	7.73	1237.0	1.19
Carvone	9.78*	1671.1	[0.16]	7.79	1241.4	0.05
Piperitone	9.66	1661.4	0.42	7.94	1251.1	0.41
Pseudodiosphenol	9.96	1686.2	0.01	8.18	1267.8	0.01
Decanol	10.50*	1731.4	[0.07]	8.34*	1278.4	[0.18]
neo-Menthyl acetate	7.45	1487.9	0.13	8.34*	1278.4	[0.18]
Dihydroedulan I	6.87*†	1445.1	[0.04]	8.46	1287.0	0.04
Thymol	14.90	2136.6	0.03	8.64*	1298.9	[5.50]
Diosphenol	10.65	1743.9	0.01	8.64*	1298.9	[5.50]
Menthyl acetate	7.90*	1522.6	[5.72]	8.64*	1298.9	[5.50]
Isomenthyl acetate	8.04	1533.6	0.10	8.79	1306.3	0.09
Bicycloelemene analog	6.61*	1425.7	[0.05]	9.06	1325.6	0.01
Bicycloelemene	6.78*	1438.1	[4.09]	9.20	1335.3	0.05
α-Cubebene	6.50	1417.5	0.02	9.39	1349.1	0.01
Unknown HEBR I [m/z 95, 147 (61), 96 (39), 93 (37), 94 (37)... 204 (4)]	6.68*	1430.8	[2.10]	9.41	1350.0	0.01
Eugenol	14.51	2097.3	0.01	9.46	1353.9	0.02
Citronellyl acetate	9.25*†	1628.1	[0.14]	9.50	1357.0	0.01
Longicyclene	6.87*†	1445.1	[0.04]	9.60	1363.9	0.02
α-Ylangene	6.78*	1438.1	[4.09]	9.67	1368.9	0.03
α-Copaene	6.87*†	1445.1	[0.04]	9.73	1373.1	0.04
β-Bourbonene isomer	6.91	1448.1	0.01	9.75	1374.7	0.01
Unknown UNKN CLXIV [m/z 81, 163 (41), 80 (31), 107 (15), 79 (14), 93 (10)...]				9.78	1376.4	0.02
β-Bourbonene	7.21*	1470.2	[0.17]	9.84*	1380.9	[0.17]
1,5-diepi-β- Bourbonene	7.13*	1464.0	[0.05]	9.84*	1380.9	[0.17]
β-Cubebene	7.51	1492.4	0.01	9.92	1386.2	0.01
β-Elemene	8.16*	1542.6	[3.73]	9.97	1390.4	0.09
(<i>Z</i>)-Jasmone	12.16	1875.8	0.02	10.02*	1394.0	[0.03]

Cyperene	7.21*	1470.2	[0.17]	10.02*	1394.0	[0.03]
Longifolene	7.69	1506.3	0.02	10.08	1398.0	0.03
Isocaryophyllene	7.90*	1522.6	[5.72]	10.14	1402.4	0.04
Decyl acetate	9.42	1642.0	0.10	10.20	1406.7	0.05
Unknown PIRA I [m/z 93, 91 (57), 133 (53), 79 (49), 41 (46), 105 (45)... 204 (20)]				10.25	1410.3	0.02
β-Caryophyllene	8.16*	1542.6	[3.73]	10.32*	1415.2	[3.76]
β-Ylangene	7.90*	1522.6	[5.72]	10.32*	1415.2	[3.76]
Unknown MISC CXLVIII [m/z 109, 81 (79), 95 (73), 68 (63), 82 (55), 69 (54), 55 (51), 163 (47)...]				10.39	1421.0	0.01
Unknown MISC CX [m/z 177, 109 (32), 192 (26), 95 (25), 137 (23)]				10.44*	1424.9	[0.10]
β-Copaene	8.09	1536.8	0.06	10.44*	1424.9	[0.10]
Unknown PIRA II [m/z 81, 93 (74), 107 (53), 91 (50), 79 (42), 105 (41)... 204 (5)]				10.48	1427.6	0.02
trans-α-Bergamotene	8.16*	1542.6	[3.73]	10.57	1434.6	0.03
Isogermacrene D	8.70*†	1584.1	[1.23]	10.64	1439.9	0.03
Unknown PIRA III [m/z 91, 93 (92), 105 (79), 133 (70), 79 (70), 92 (65)... 204 (5)]	8.79	1591.7	0.01	10.72	1445.5	0.01
α-Humulene	9.02	1609.6	0.07	10.76*	1448.3	[0.11]
ε-Muurolene?	8.99*	1607.2	[35.00]	10.76*	1448.3	[0.11]
allo-Aromadendrene	8.70*†	1584.1	[1.23]	10.85	1455.4	0.02
(E)-β-Farnesene	9.30*†	1632.1	[0.14]	10.91	1459.8	0.15
γ-Muurolene	9.32	1634.5	0.06	11.10	1473.8	0.04
Germacrene D	9.51	1649.4	0.58	11.13	1476.6	0.57
Phenylethyl isovalerate	12.76	1930.9	0.01	11.22	1483.1	0.01
Bicyclogermacrene	9.78*	1671.1	[0.16]	11.34*	1491.9	[0.16]
Viridiflorene	9.36	1637.6	0.03	11.34*	1491.9	[0.16]
α-Muurolene	9.78*	1671.1	[0.16]	11.42	1497.8	0.04
γ-Cadinene	10.11*	1698.0	[0.02]	11.58	1510.1	0.03
trans-Calamenene	10.95	1769.3	0.01	11.72*	1521.1	[0.07]
δ-Cadinene	10.14	1700.7	0.06	11.72*	1521.1	[0.07]
α-Cadinene	10.50*	1731.4	[0.07]	11.88	1534.3	0.01
Isocaryophyllene epoxide B	11.86	1849.3	0.01	12.03	1546.1	0.01

(E)-Nerolidol	13.54	2003.6	0.01	12.27	1564.9	0.01
Spathulenol	14.13	2060.6	0.02	12.35	1571.2	0.01
Caryophyllene oxide	12.48	1904.5	0.05	12.40*	1575.2	[0.07]
Caryophyllene oxide isomer	12.40	1897.5	0.01	12.40*	1575.2	[0.07]
Viridiflorol	13.71	2020.2	0.06	12.52	1584.7	0.06
Total reported		98.93%			99.56%	

*: 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