

Date : 2026-04-24

CERTIFICATE OF ANALYSIS - GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 26B17-PTH02

Customer Identification : Peppermint ORGANIC - India - P40118

Type : Essential Oil

Source : *Mentha x piperita*

Customer : Plant Therapy

Checked and approved by:

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

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This report is an update of the version first issued on 2026-02-23 to make a correction in the sample identification section.

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 : 2026-02-20

PHYSICOCHEMICAL DATA

Refractive index : 1.4609 ± 0.0003 (20 °C)

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

Analyst : Cindy Caron B. Sc.

Date : 2026-02-18

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 |
|--|------|----------------------|
| Isovaleral | 0.01 | Aliphatic aldehyde |
| 2-Methylbutyral | tr | Aliphatic aldehyde |
| Isoamyl alcohol | 0.02 | Aliphatic alcohol |
| 2-Methylbutanol | 0.01 | Aliphatic alcohol |
| Ethyl 2-methylbutyrate | 0.01 | 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 | 0.05 | Monoterpene |
| α -Pinene | 0.86 | Monoterpene |
| <i>trans</i> -3-Methylcyclohexanol | 0.01 | Aliphatic alcohol |
| Camphene | 0.02 | Monoterpene |
| 3-Methylcyclohexanone | 0.07 | Aliphatic ketone |
| α -Fenchene | tr | Monoterpene |
| Thuja-2,4(10)-diene | 0.01 | Monoterpene |
| Sabinene | 0.49 | Monoterpene |
| β -Pinene | 1.13 | Monoterpene |
| Octen-3-ol | 0.08 | Aliphatic alcohol |
| <i>cis</i> -Carane | 0.01 | Monoterpene |
| Octan-3-one | 0.04 | Aliphatic ketone |
| Myrcene | 0.23 | Monoterpene |
| Octan-3-ol | 0.20 | Aliphatic alcohol |
| Pseudolimonene | 0.02 | Monoterpene |
| α -Phellandrene | 0.04 | Monoterpene |
| α -Terpinene | 0.21 | Monoterpene |
| Carvomenthene | 0.01 | Aliphatic alcohol |
| <i>para</i> -Cymene | 0.26 | Monoterpene |
| 1,8-Cineole | 4.92 | Monoterpenic ether |
| Limonene | 2.20 | Monoterpene |
| (Z)- β -Ocimene | 0.16 | Monoterpene |
| (E)- β -Ocimene | 0.06 | Monoterpene |
| γ -Terpinene | 0.37 | Monoterpene |
| <i>cis</i> -Sabinene hydrate | 0.28 | Monoterpenic alcohol |
| <i>para</i> -Mentha-3,8-diene | 0.01 | Monoterpene |
| <i>cis</i> -Linalool oxide (fur.) | 0.01 | Monoterpenic alcohol |
| Octanol | 0.02 | Aliphatic alcohol |
| <i>para</i> -Cymenene | 0.02 | Monoterpene |
| Terpinolene | 0.13 | Monoterpene |
| <i>trans</i> -Linalool oxide (fur.) | tr | Monoterpenic alcohol |

| | | |
|---|-------|----------------------|
| <i>trans</i> -Sabinene hydrate | 0.04 | Monoterpenic alcohol |
| Linalool | 0.22 | Monoterpenic alcohol |
| Nonan-3-ol | 0.02 | Aliphatic alcohol |
| 2-Methylbutyl 2-methylbutyrate | 0.04 | Aliphatic ester |
| Amyl isovalerate | 0.01 | Aliphatic ester |
| β -Thujone | 0.03 | Monoterpenic ketone |
| Phenylethyl alcohol | 0.01 | Simple phenolic |
| <i>cis-para</i> -Menth-2-en-1-ol | 0.05 | Monoterpenic alcohol |
| Octan-3-yl acetate | 0.02 | Aliphatic ester |
| allo-Ocimene | 0.01 | Monoterpene |
| <i>cis-para</i> -Mentha-2,8-dien-1-ol | 0.03 | Monoterpenic alcohol |
| <i>trans</i> -Sabinol | 0.07 | Monoterpenic alcohol |
| Isopulegol | 0.16 | Monoterpenic alcohol |
| Menthone | 25.21 | Monoterpenic ketone |
| Menthofuran | 2.61 | Monoterpenic ether |
| Isomenthone | 4.21 | Monoterpenic ketone |
| neo-Menthol | 3.39 | Monoterpenic alcohol |
| Terpinen-4-ol | 0.66 | Monoterpenic alcohol |
| Menthol | 34.56 | Monoterpenic alcohol |
| Isomenthol | 0.56 | Monoterpenic alcohol |
| <i>para</i> -Cymen-8-ol | 0.05 | Monoterpenic alcohol |
| α -Terpineol | 0.40 | Monoterpenic alcohol |
| neiso-Menthol | 0.19 | Monoterpenic alcohol |
| Methyl salicylate | tr | Phenolic ester |
| Dihydrocarveol | 0.06 | Monoterpenic alcohol |
| <i>trans</i> -Isopiperitenol | 0.02 | Monoterpenic alcohol |
| Dihydroanethole | 0.01 | Phenylpropanoid |
| Unknown | 0.02 | Unknown |
| Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...] | 0.05 | Unknown |
| <i>trans</i> -Carveol | 0.01 | Monoterpenic alcohol |
| (3Z)-Hexenyl 2-methylbutyrate | 0.03 | Aliphatic ester |
| Citronellol | 0.03 | Monoterpenic alcohol |
| (3Z)-Hexenyl isovalerate | 0.01 | Aliphatic ester |
| Pulegone | 1.50 | Monoterpenic ketone |
| Carvone | 0.07 | Monoterpenic ketone |
| Piperitone | 0.58 | Monoterpenic ketone |
| Pseudodiosphenol | 0.02 | Monoterpenic alcohol |
| <i>trans</i> -Ascaridole glycol | 0.02 | Monoterpenic alcohol |
| Decanol | 0.06 | Aliphatic alcohol |
| neo-Menthyl acetate | 0.31 | Monoterpenic ester |
| Bornyl acetate | 0.03 | Monoterpenic ester |
| Dihydroedulan I | 0.06 | Terpenic ether |
| Dihydroedulan II | 0.06 | Terpenic ether |
| Thymol | 0.04 | Monoterpenic alcohol |

| | | |
|--------------------------------|--------------|------------------------|
| Menthyl acetate | 5.25 | Monoterpenic ester |
| Diosphenol | 0.01 | Monoterpenic alcohol |
| Isomenthyl acetate | 0.22 | Monoterpenic alcohol |
| neiso-Menthyl acetate? | 0.01 | Monoterpenic ester |
| Dihydrocarvyl acetate | 0.01 | Monoterpenic ester |
| Bicycloelemene | 0.06 | Sesquiterpene |
| Piperitenone | 0.02 | Monoterpenic ketone |
| α -Cubebene | 0.02 | Sesquiterpene |
| Eugenol | 0.03 | Phenylpropanoid |
| Longicyclene | 0.02 | Sesquiterpene |
| α -Ylangene | 0.02 | Sesquiterpene |
| α -Copaene | 0.09 | Sesquiterpene |
| β -Bourbonene isomer | 0.01 | Sesquiterpene |
| β -Bourbonene | 0.24 | Sesquiterpene |
| 1,5-diepi- β -Bourbonene | 0.02 | Sesquiterpene |
| β -Elemene | 0.13 | Sesquiterpene |
| Cyperene | 0.05 | Sesquiterpene |
| Longifolene | 0.03 | Sesquiterpene |
| Isocaryophyllene | 0.05 | Sesquiterpene |
| β -Caryophyllene | 2.89 | Sesquiterpene |
| β -Ylangene | 0.09 | Sesquiterpene |
| Perillyl acetate | 0.02 | Monoterpenic ester |
| Unknown | 0.01 | Unknown |
| β -Copaene | 0.08 | Sesquiterpene |
| Aromadendrene | 0.04 | Sesquiterpene |
| Isogermacrene D | 0.04 | Sesquiterpene |
| Unknown | 0.01 | Sesquiterpene |
| ϵ -Muurolene? | 0.07 | Sesquiterpene |
| α -Humulene | 0.15 | Sesquiterpene |
| Muurola-4,11-diene | 0.02 | Sesquiterpene |
| (E)- β -Farnesene | 0.23 | Sesquiterpene |
| γ -Muurolene | 0.03 | Sesquiterpene |
| Germacrene D | 0.94 | Sesquiterpene |
| Menthylactone | 0.04 | Monoterpenic lactone |
| Viridiflorene | 0.10 | Sesquiterpene |
| Bicyclogermacrene | 0.13 | Sesquiterpene |
| α -Muurolene | 0.04 | Sesquiterpene |
| γ -Cadinene | 0.03 | Sesquiterpene |
| δ -Cadinene | 0.08 | Sesquiterpene |
| α -Cadinene | 0.01 | Sesquiterpene |
| Isocaryophyllene epoxide B | 0.01 | Sesquiterpenic ether |
| Spathulenol | 0.02 | Sesquiterpenic alcohol |
| Caryophyllene oxide | 0.07 | Sesquiterpenic ether |
| Viridiflorol | 0.07 | Sesquiterpenic alcohol |
| Consolidated total | 99.06 | |

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

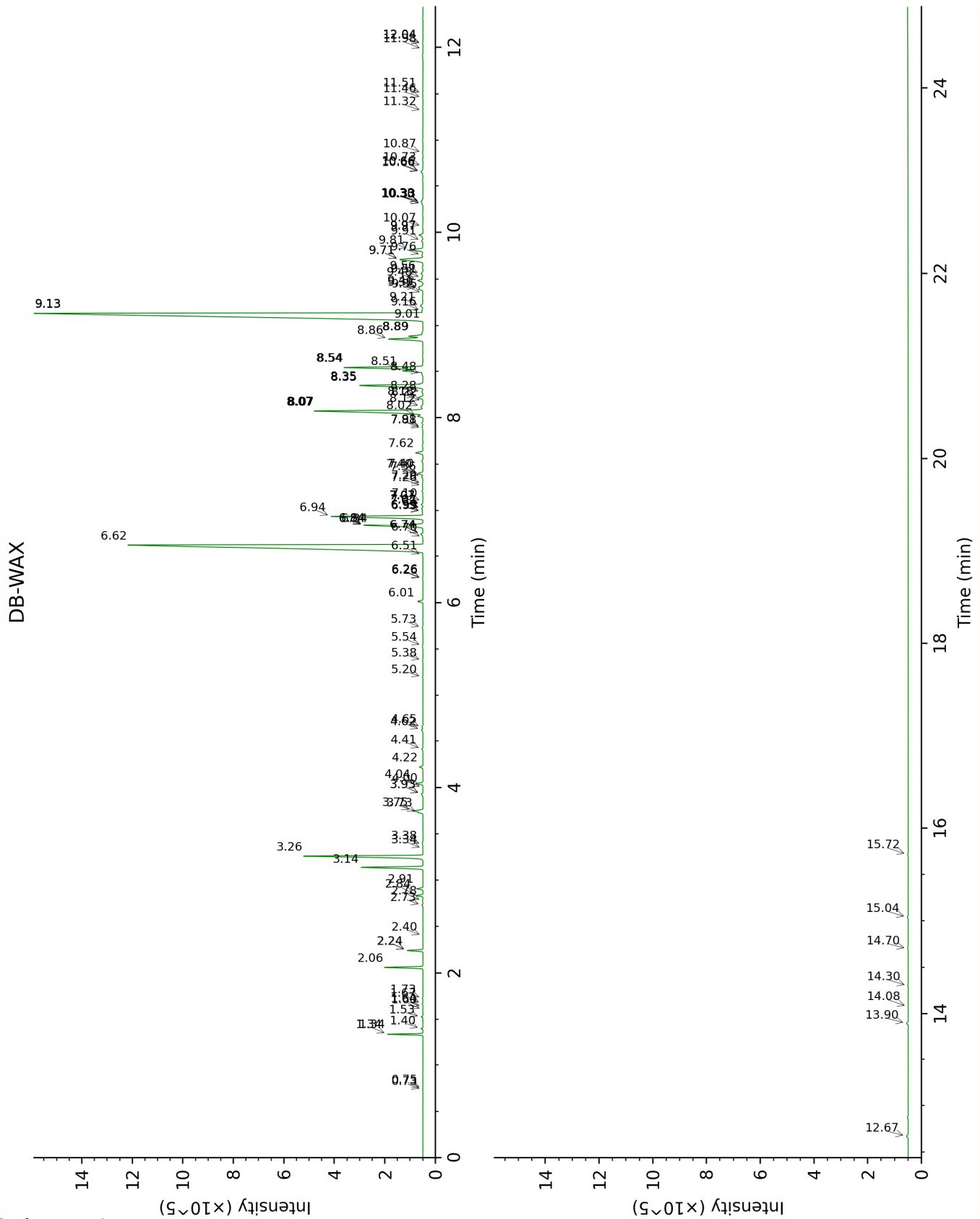
Note: no correction factor was applied

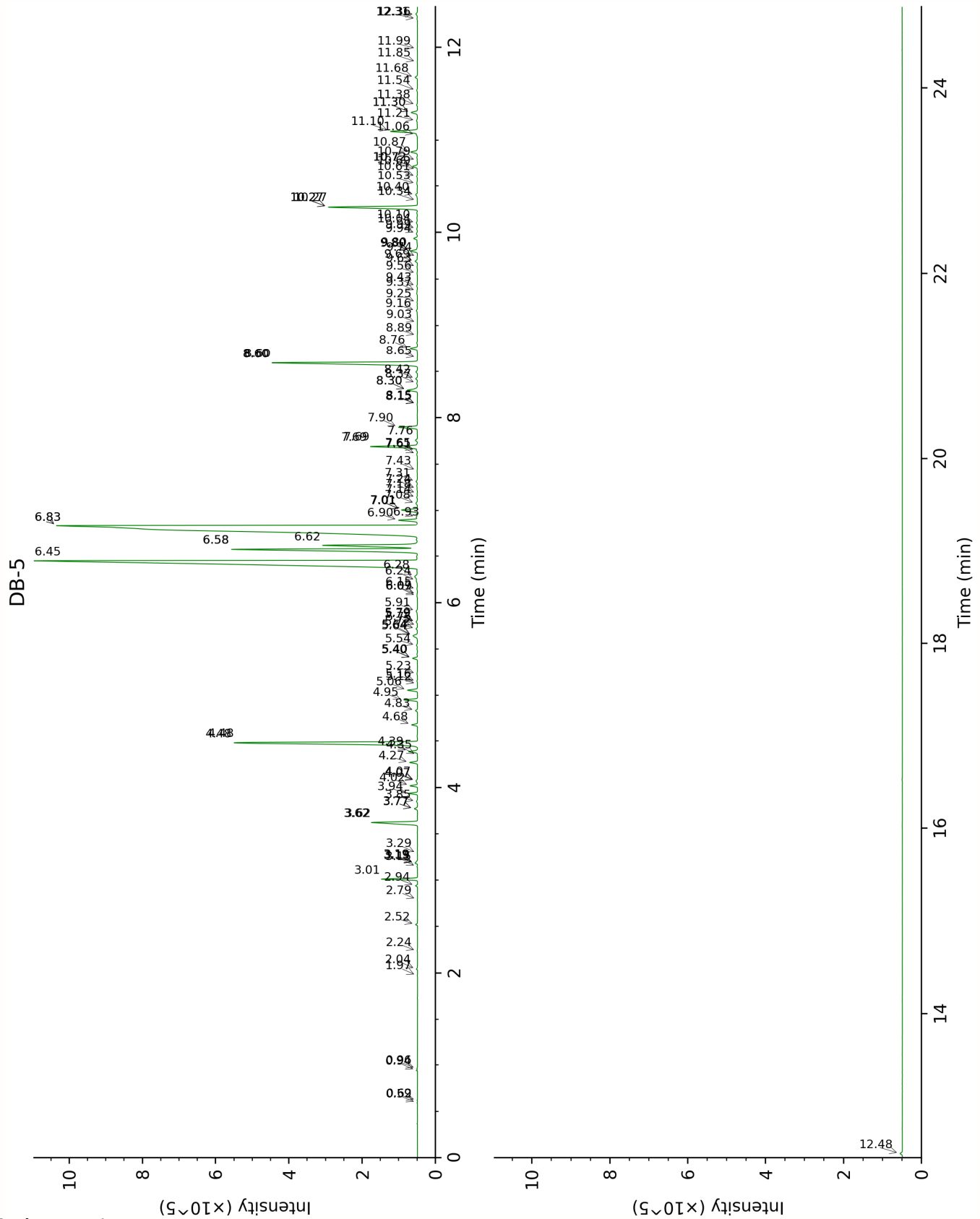
About "consolidated" data: The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

| Isovaleral | Column DB-WAX | | | Column DB-5 | | |
|--|---------------|--------|--------|-------------|--------|--------|
| | 0.75 | 886.5 | tr | 0.59 | 642.6 | 0.01 |
| 2-Methylbutyral | 0.73 | 880.2 | tr | 0.62 | 653.0 | tr |
| Isoamyl alcohol | 3.38 | 1176.8 | 0.01 | 0.94 | 731.8 | 0.02 |
| 2-Methylbutanol | 3.34 | 1173.4 | 0.01 | 0.96 | 734.7 | 0.01 |
| Ethyl 2-methylbutyrate | 1.64 | 1023.3 | tr | 1.97 | 849.9 | 0.01 |
| (3Z)-Hexenol | 5.73 | 1346.8 | 0.03 | 2.04 | 855.7 | 0.03 |
| Hexanol | 5.38 | 1321.3 | 0.02 | 2.24 | 872.3 | 0.01 |
| <i>trans</i> -2,5-Diethyltetrahydrofuran | 1.53 | 1012.7 | 0.04 | 2.52 | 896.6 | 0.04 |
| Hashishene | 1.34* | 990.2 | [0.85] | 2.79 | 916.3 | 0.01 |
| α -Thujene | 1.40 | 1000.0 | 0.04 | 2.94 | 926.3 | 0.05 |
| α -Pinene | 1.34* | 990.2 | [0.85] | 3.01 | 931.1 | 0.86 |
| <i>trans</i> -3-Methylcyclohexanol | 6.74* | 1420.4 | [0.10] | 3.14 | 939.9 | 0.01 |
| Camphene | 1.67 | 1026.8 | 0.02 | 3.19* | 942.7 | [0.09] |
| 3-Methylcyclohexanone | 4.62 | 1269.9 | 0.07 | 3.19* | 942.7 | [0.09] |
| α -Fenchene | 1.60 | 1020.2 | tr | 3.19* | 942.7 | [0.09] |
| Thuja-2,4(10)-diene | 2.24* | 1083.4 | [0.46] | 3.29 | 949.9 | 0.01 |
| Sabinene | 2.24* | 1083.4 | [0.46] | 3.62* | 972.0 | [1.62] |
| β -Pinene | 2.06 | 1065.4 | 1.13 | 3.62* | 972.0 | [1.62] |
| Octen-3-ol | 6.74* | 1420.4 | [0.10] | 3.77* | 982.0 | [0.10] |
| <i>cis</i> -Carane | 1.73 | 1032.4 | 0.01 | 3.77* | 982.0 | [0.10] |
| Octan-3-one | 3.93* | 1218.8 | [0.08] | 3.85 | 987.3 | 0.04 |
| Myrcene | 2.84 | 1133.5 | 0.22 | 3.94 | 993.2 | 0.23 |
| Octan-3-ol | 6.01 | 1367.3 | 0.20 | 4.02 | 998.7 | 0.20 |
| Pseudolimonene | 2.78 | 1128.9 | 0.02 | 4.07* | 1002.2 | [0.07] |
| α -Phellandrene | 2.73 | 1125.5 | 0.04 | 4.07* | 1002.2 | [0.07] |
| α -Terpinene | 2.91 | 1139.3 | 0.21 | 4.27 | 1014.9 | 0.21 |
| Carvomenthene | 2.40 | 1099.4 | 0.01 | 4.35 | 1019.8 | 0.01 |
| <i>para</i> -Cymene | 4.04 | 1227.0 | 0.26 | 4.39 | 1022.3 | 0.26 |
| 1,8-Cineole | 3.26 | 1167.1 | 4.92 | 4.48* | 1028.4 | [7.11] |
| Limonene | 3.14 | 1157.5 | 2.20 | 4.48* | 1028.4 | [7.11] |
| (Z)- β -Ocimene | 3.73 | 1204.2 | 0.14 | 4.68 | 1040.6 | 0.16 |
| (E)- β -Ocimene | 3.93* | 1218.8 | [0.08] | 4.83 | 1050.4 | 0.06 |
| γ -Terpinene | 3.75 | 1205.4 | 0.38 | 4.94 | 1057.7 | 0.37 |
| <i>cis</i> -Sabinene hydrate | 6.84* | 1427.6 | [2.89] | 5.06 | 1064.9 | 0.28 |
| <i>para</i> -Mentha-3,8-diene | 4.00 | 1223.6 | 0.01 | 5.12 | 1069.1 | 0.01 |
| <i>cis</i> -Linalool oxide (fur.) | 6.51 | 1403.3 | 0.02 | 5.16 | 1071.1 | 0.01 |
| Octanol | 8.12 | 1524.6 | 0.11 | 5.23 | 1076.0 | 0.02 |
| <i>para</i> -Cymenene | 6.26* | 1384.9 | [0.02] | 5.40* | 1086.7 | [0.14] |
| Terpinolene | 4.22 | 1240.2 | 0.13 | 5.40* | 1086.7 | [0.14] |
| <i>trans</i> -Linalool oxide | 6.84* | 1427.6 | [2.89] | 5.40* | 1086.7 | [0.14] |

| | | | | | | |
|--|--------|--------|---------|-------|--------|---------|
| (fur.) | | | | | | |
| <i>trans</i> -Sabinene hydrate | 7.90 | 1507.8 | 0.04 | 5.54 | 1095.7 | 0.04 |
| Linalool | 8.02 | 1516.7 | 0.22 | 5.64* | 1102.1 | [0.21] |
| Nonan-3-ol | 7.26 | 1459.6 | 0.02 | 5.64* | 1102.1 | [0.21] |
| 2-Methylbutyl 2-methylbutyrate | 4.41 | 1254.5 | 0.05 | 5.72 | 1107.1 | 0.04 |
| Amyl isovalerate | 4.65 | 1272.3 | 0.04 | 5.75 | 1109.1 | 0.01 |
| β-Thujone | 6.26* | 1384.9 | [0.02] | 5.79* | 1111.7 | [0.05] |
| Phenylethyl alcohol | 12.04* | 1849.0 | [0.02] | 5.79* | 1111.7 | [0.05] |
| <i>cis-para</i> -Menth-2-en-1-ol | 8.08* | 1521.1 | [5.55] | 5.91 | 1119.4 | 0.05 |
| Octan-3-yl acetate | 5.20 | 1308.2 | 0.02 | 6.07 | 1129.7 | 0.02 |
| allo-Ocimene | 5.54 | 1332.7 | 0.02 | 6.09 | 1131.1 | 0.01 |
| <i>cis-para</i> -Mentha-2,8-dien-1-ol | 9.41 | 1626.5 | 0.20 | 6.15 | 1134.7 | 0.03 |
| <i>trans</i> -Sabinol | 9.76 | 1654.4 | 0.06 | 6.24 | 1140.6 | 0.07 |
| Isopulegol | 8.08* | 1521.1 | [5.55] | 6.28 | 1143.4 | 0.16 |
| Menthone | 6.62 | 1411.6 | 25.20 | 6.45 | 1154.5 | 25.21 |
| Menthofuran | 6.84* | 1427.6 | [2.89] | 6.58* | 1162.5 | [6.81] |
| Isomenthone | 6.94 | 1435.3 | 4.21 | 6.58* | 1162.5 | [6.81] |
| neo-Menthol | 8.54*† | 1557.6 | [3.25] | 6.62 | 1165.3 | 3.39 |
| Terpinen-4-ol | 8.51*† | 1554.8 | [0.81] | 6.83* | 1179.1 | [35.59] |
| Menthol | 9.13* | 1603.6 | [34.58] | 6.83* | 1179.1 | [35.59] |
| Isomenthol | 8.89* | 1584.4 | [0.58] | 6.90 | 1183.4 | 0.56 |
| <i>para</i> -Cymen-8-ol | 11.46 | 1797.4 | 0.02 | 6.93 | 1185.4 | 0.05 |
| α-Terpineol | 9.71* | 1650.6 | [1.34] | 7.01* | 1190.6 | [0.62] |
| neoiso-Menthol | 9.39 | 1624.8 | 0.19 | 7.01* | 1190.6 | [0.62] |
| Methyl salicylate | 10.33* | 1701.5 | [0.11] | 7.01* | 1190.6 | [0.62] |
| Dihydrocarveol | 10.30* | 1699.1 | [0.04] | 7.08 | 1195.0 | 0.06 |
| <i>trans</i> -Isopiperitenol | 10.33* | 1701.5 | [0.11] | 7.14 | 1199.3 | 0.02 |
| Dihydroanethole | 8.54*† | 1557.6 | [3.25] | 7.18 | 1202.0 | 0.01 |
| Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)] | | | | 7.24 | 1205.3 | 0.02 |
| Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...] | | | | 7.31 | 1210.7 | 0.05 |
| <i>trans</i> -Carveol | 11.32 | 1785.3 | 0.01 | 7.43 | 1218.8 | 0.01 |
| (3Z)-Hexenyl 2-methylbutyrate | 6.99*† | 1439.3 | [0.04] | 7.61 | 1230.6 | 0.03 |
| Citronellol | 10.66* | 1729.2 | [0.11] | 7.65 | 1233.7 | 0.03 |
| (3Z)-Hexenyl | 7.10 | 1447.6 | 0.01 | 7.69* | 1236.4 | [1.46] |

| | | | | | | |
|--|--------|--------|--------|--------|--------|--------|
| isovalerate | | | | | | |
| Pulegone | 8.86 | 1582.0 | 1.50 | 7.69* | 1236.4 | [1.46] |
| Carvone | 9.91 | 1667.0 | 0.07 | 7.76 | 1241.0 | 0.07 |
| Piperitone | 9.82 | 1659.2 | 0.59 | 7.90 | 1250.5 | 0.58 |
| Pseudodiosphenol | 10.07 | 1679.8 | 0.02 | 8.15* | 1267.6 | [0.02] |
| <i>trans</i> -Ascaridole glycol | 14.08 | 2036.7 | 0.02 | 8.15* | 1267.6 | [0.02] |
| Decanol | 10.66* | 1729.2 | [0.11] | 8.30* | 1277.8 | [0.37] |
| neo-Menthyl acetate | 7.62 | 1486.5 | 0.31 | 8.30* | 1277.8 | [0.37] |
| Bornyl acetate | 8.18 | 1529.0 | 0.02 | 8.37 | 1282.9 | 0.03 |
| Dihydroedulan I | 7.02*† | 1441.4 | [0.06] | 8.42 | 1286.2 | 0.06 |
| Dihydroedulan II | 7.36 | 1466.9 | 0.06 | 8.60* | 1298.0 | [5.34] |
| Thymol | 15.04 | 2130.9 | 0.04 | 8.60* | 1298.0 | [5.34] |
| Menthyl acetate | 8.08* | 1521.1 | [5.55] | 8.60* | 1298.0 | [5.34] |
| Diosphenol | 10.87 | 1747.0 | 0.02 | 8.65 | 1301.9 | 0.01 |
| Isomenthyl acetate | 8.22 | 1532.2 | 0.24 | 8.76 | 1305.7 | 0.22 |
| neoiso-Menthyl acetate? | | | | 8.89 | 1315.6 | 0.01 |
| Dihydrocarvyl acetate | 9.35 | 1621.0 | 0.01 | 9.03 | 1325.4 | 0.01 |
| Bicycloelemene | 7.02*† | 1441.4 | [0.06] | 9.16 | 1334.7 | 0.06 |
| Piperitenone | 11.98 | 1843.5 | 0.01 | 9.25 | 1341.1 | 0.02 |
| α -Cubebene | 6.70 | 1417.5 | 0.01 | 9.37 | 1349.6 | 0.02 |
| Eugenol | 14.70 | 2096.9 | 0.03 | 9.43 | 1353.5 | 0.03 |
| Longicyclene | 7.07* | 1444.8 | [0.07] | 9.56 | 1363.1 | 0.02 |
| α -Ylangene | 6.99*† | 1439.3 | [0.04] | 9.63 | 1368.0 | 0.02 |
| α -Copaene | 7.07* | 1444.8 | [0.07] | 9.69 | 1372.4 | 0.09 |
| β -Bourbonene isomer | 7.07* | 1444.8 | [0.07] | 9.74 | 1375.7 | 0.01 |
| β -Bourbonene | 7.40* | 1469.8 | [0.22] | 9.80* | 1380.3 | [0.26] |
| 1,5-diepi- β -Bourbonene | 7.29 | 1461.6 | 0.02 | 9.80* | 1380.3 | [0.26] |
| β -Elemene | 8.35* | 1542.5 | [3.01] | 9.94 | 1389.8 | 0.13 |
| Cyperene | 7.40* | 1469.8 | [0.22] | 9.99 | 1393.5 | 0.05 |
| Longifolene | 7.88 | 1506.1 | 0.02 | 10.04 | 1397.2 | 0.03 |
| Isocaryophyllene | 8.08* | 1521.1 | [5.55] | 10.10 | 1401.7 | 0.05 |
| β -Caryophyllene | 8.35* | 1542.5 | [3.01] | 10.27* | 1414.3 | [2.99] |
| β -Ylangene | 8.08* | 1521.1 | [5.55] | 10.27* | 1414.3 | [2.99] |
| Perillyl acetate | 11.51 | 1801.3 | 0.02 | 10.27* | 1414.3 | [2.99] |
| Unknown MISC CX [m/z 177, 109 (32), 192 (26), 95 (25), 137 (23)] | | | | 10.34 | 1419.6 | 0.01 |
| β -Copaene | 8.28 | 1537.1 | 0.06 | 10.40 | 1424.1 | 0.08 |
| Aromadendrene | 8.48 | 1552.3 | 0.06 | 10.53 | 1433.3 | 0.04 |
| Isogermacrene D | 8.89* | 1584.4 | [0.58] | 10.61 | 1439.5 | 0.04 |
| Unknown PIRA III [m/z 91, 93 (92), 105 (79), 133 (70), 79 (70), 92 | 9.01 | 1594.0 | 0.01 | 10.68 | 1445.2 | 0.01 |

| | | | | | | |
|----------------------------|--------|--------|---------|--------|--------|--------|
| (65)... 204 (5)] | | | | | | |
| ε-Muurolene? | 9.16 | 1605.6 | 0.07 | 10.72* | 1447.7 | [0.17] |
| α-Humulene | 9.21 | 1610.2 | 0.15 | 10.72* | 1447.7 | [0.17] |
| Muurola-4,11-diene | 9.13* | 1603.6 | [34.58] | 10.78 | 1452.7 | 0.02 |
| (E)-β-Farnesene | 9.48 | 1632.3 | 0.23 | 10.87 | 1459.3 | 0.23 |
| γ-Muurolene | 9.51 | 1634.7 | 0.05 | 11.06 | 1473.3 | 0.03 |
| Germacrene D | 9.71* | 1650.6 | [1.34] | 11.10 | 1476.0 | 0.94 |
| Menthylactone | 15.72 | 2198.7 | 0.03 | 11.21 | 1484.7 | 0.04 |
| Viridiflorene | 9.56 | 1638.4 | 0.10 | 11.30* | 1491.3 | [0.23] |
| Bicyclgermacrene | 9.97* | 1672.0 | [0.19] | 11.30* | 1491.3 | [0.23] |
| α-Muurolene | 9.97* | 1672.0 | [0.19] | 11.38 | 1497.3 | 0.04 |
| γ-Cadinene | 10.30* | 1699.1 | [0.04] | 11.54 | 1509.4 | 0.03 |
| δ-Cadinene | 10.33* | 1701.5 | [0.11] | 11.68 | 1520.5 | 0.08 |
| α-Cadinene | 10.73 | 1734.9 | tr | 11.84 | 1533.6 | 0.01 |
| Isocaryophyllene epoxide B | 12.04* | 1849.0 | [0.02] | 11.99 | 1544.9 | 0.01 |
| Spathulenol | 14.30 | 2058.5 | 0.02 | 12.31 | 1570.3 | 0.02 |
| Caryophyllene oxide | 12.67 | 1905.1 | 0.08 | 12.36 | 1574.4 | 0.07 |
| Viridiflorol | 13.90 | 2019.3 | 0.08 | 12.48 | 1584.1 | 0.07 |
| Total reported | | 98.88% | | | 99.30% | |

*: 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