

Date : 2026-08-21

## CERTIFICATE OF ANALYSIS - GC PROFILING

### SAMPLE IDENTIFICATION

**Internal code :** 26D20-PTH07

**Customer Identification :** Peppermint ORGANIC - India - P40119

**Type :** Essential Oil

**Source :** *Mentha x piperita*

**Customer :** Plant Therapy

Checked and approved by:

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

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This report is an update from the first version issued on 2026-04-23 to update the customer identification.

## *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 :** 2026-04-21

## *PHYSICOCHEMICAL DATA*

**Refractive index :**  $1.4597 \pm 0.0003$  (20 °C)

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

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

**Date :** 2026-04-21

## *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                |
|------------------------------------------|------|----------------------|
| Isoamyl alcohol                          | 0.01 | Aliphatic alcohol    |
| 2-Methylbutanol                          | 0.01 | Aliphatic alcohol    |
| Ethyl 2-methylbutyrate                   | 0.01 | Aliphatic ester      |
| (3Z)-Hexenol                             | 0.01 | Aliphatic alcohol    |
| Hexanol                                  | 0.01 | Aliphatic alcohol    |
| <i>trans</i> -2,5-Diethyltetrahydrofuran | 0.03 | Furan                |
| $\alpha$ -Thujene                        | 0.05 | Monoterpene          |
| $\alpha$ -Pinene                         | 0.89 | Monoterpene          |
| <i>trans</i> -3-Methylcyclohexanol       | 0.01 | Aliphatic alcohol    |
| Camphene                                 | 0.02 | Monoterpene          |
| 3-Methylcyclohexanone                    | 0.04 | Aliphatic ketone     |
| $\beta$ -Pinene                          | 1.27 | Monoterpene          |
| <i>cis</i> - <i>para</i> -Menthane       | 0.04 | Monoterpene          |
| Sabinene                                 | 0.56 | Monoterpene          |
| Octen-3-ol                               | 0.06 | Aliphatic alcohol    |
| <i>cis</i> -Carane                       | 0.01 | Monoterpene          |
| <i>trans</i> - <i>para</i> -Menthane     | 0.01 | Monoterpene          |
| Octan-3-one                              | 0.03 | Aliphatic ketone     |
| Myrcene                                  | 0.18 | Monoterpene          |
| Octan-3-ol                               | 0.18 | Aliphatic alcohol    |
| $\alpha$ -Phellandrene                   | 0.02 | Monoterpene          |
| Pseudolimonene                           | 0.04 | Monoterpene          |
| $\Delta^3$ -Carene                       | 0.01 | Monoterpene          |
| $\alpha$ -Terpinene                      | 0.12 | Monoterpene          |
| 1,4-Cineole                              | 0.01 | Monoterpenic ether   |
| Carvomenthene                            | 0.01 | Aliphatic alcohol    |
| <i>para</i> -Cymene                      | 0.42 | Monoterpene          |
| Limonene                                 | 2.65 | Monoterpene          |
| 1,8-Cineole                              | 5.85 | Monoterpenic ether   |
| 2-Ethylhexanol                           | 0.01 | Aliphatic alcohol    |
| (Z)- $\beta$ -Ocimene                    | 0.11 | Monoterpene          |
| (E)- $\beta$ -Ocimene                    | 0.05 | Monoterpene          |
| $\gamma$ -Terpinene                      | 0.22 | Monoterpene          |
| <i>cis</i> -Sabinene hydrate             | 0.33 | Monoterpenic alcohol |
| <i>para</i> -Mentha-3,8-diene            | tr   | Monoterpene          |
| <i>cis</i> -Linalool oxide (fur.)        | 0.02 | Monoterpenic alcohol |
| Octanol                                  | 0.05 | Aliphatic alcohol    |
| Terpinolene                              | 0.10 | Monoterpene          |
| <i>para</i> -Cymenene                    | 0.01 | Monoterpene          |
| Linalool                                 | 0.23 | Monoterpenic alcohol |

|                                                                         |       |                       |
|-------------------------------------------------------------------------|-------|-----------------------|
| 2-Methylbutyl 2-methylbutyrate                                          | 0.04  | Aliphatic ester       |
| Amyl isovalerate                                                        | 0.04  | Aliphatic ester       |
| $\beta$ -Thujone                                                        | 0.01  | Monoterpenic ketone   |
| <i>cis-para</i> -Menth-2-en-1-ol                                        | 0.06  | Monoterpenic alcohol  |
| <i>trans-para</i> -Menth-2-en-1-ol                                      | 0.03  | Monoterpenic alcohol  |
| <i>trans</i> -Sabinol                                                   | 0.06  | Monoterpenic alcohol  |
| Isopulegol                                                              | 0.15  | Monoterpenic alcohol  |
| <i>cis</i> - $\alpha$ -Dihydroterpineol                                 | 0.01  | Monoterpenic alcohol  |
| Menthone                                                                | 29.68 | Monoterpenic ketone   |
| Isomenthone                                                             | 5.24  | Monoterpenic ketone   |
| Menthofuran                                                             | 3.14  | Monoterpenic ether    |
| neo-Menthol                                                             | 2.99  | Monoterpenic alcohol  |
| Menthol                                                                 | 32.72 | Monoterpenic alcohol  |
| Terpinen-4-ol                                                           | 0.64  | Monoterpenic alcohol  |
| Isomenthol                                                              | 0.38  | Monoterpenic alcohol  |
| <i>para</i> -Cymen-8-ol                                                 | 0.04  | Monoterpenic alcohol  |
| $\alpha$ -Terpineol                                                     | 0.16  | Monoterpenic alcohol  |
| Myrtanal                                                                | 0.02  | Monoterpenic aldehyde |
| neoiso-Menthol                                                          | 0.27  | Monoterpenic alcohol  |
| Methylchavicol                                                          | 0.02  | Phenylpropanoid       |
| Dihydrocarveol                                                          | 0.05  | Monoterpenic alcohol  |
| Dihydroanethole                                                         | 0.01  | Phenylpropanoid       |
| Unknown                                                                 | 0.01  | Unknown               |
| 4,7-Dimethylbenzofuran?                                                 | 0.03  | Furan                 |
| Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...] | 0.05  | Unknown               |
| <i>trans</i> -Carveol                                                   | 0.02  | Monoterpenic alcohol  |
| <i>cis</i> -Carveol                                                     | 0.02  | Monoterpenic alcohol  |
| Citronellol                                                             | 0.02  | Monoterpenic alcohol  |
| Pulegone                                                                | 1.62  | Monoterpenic ketone   |
| Carvone                                                                 | 0.10  | Monoterpenic ketone   |
| Piperitone                                                              | 0.44  | Monoterpenic ketone   |
| neo-Menthyl acetate                                                     | 0.25  | Monoterpenic ester    |
| Dihydroedulan I                                                         | 0.06  | Terpenic ether        |
| Dihydroedulan II                                                        | 0.05  | Terpenic ether        |
| Thymol                                                                  | 0.02  | Monoterpenic alcohol  |
| Menthyl acetate                                                         | 3.55  | Monoterpenic ester    |
| Isomenthyl acetate                                                      | 0.11  | Monoterpenic alcohol  |
| Bicycloelemene                                                          | 0.05  | Sesquiterpene         |
| Menthofurolactone isomer I                                              | 0.04  | Monoterpenic lactone  |
| Menthofurolactone isomer II                                             | 0.04  | Monoterpenic lactone  |
| Menthofurolactone                                                       | 0.02  | Aliphatic alcohol     |
| Eugenol                                                                 | 0.02  | Phenylpropanoid       |
| Longicyclene                                                            | 0.02  | Sesquiterpene         |
| $\alpha$ -Ylangene                                                      | 0.03  | Sesquiterpene         |

|                               |              |                      |
|-------------------------------|--------------|----------------------|
| $\alpha$ -Copaene             | 0.05         | Sesquiterpene        |
| Unknown                       | 0.02         | Unknown              |
| $\beta$ -Bourbonene           | 0.17         | Sesquiterpene        |
| $\beta$ -Elemene              | 0.11         | Sesquiterpene        |
| Cyperene                      | 0.03         | Sesquiterpene        |
| Longifolene                   | 0.03         | Sesquiterpene        |
| Isocaryophyllene              | 0.03         | Sesquiterpene        |
| Decyl acetate                 | 0.02         | Aliphatic ester      |
| $\beta$ -Caryophyllene        | 1.75         | Sesquiterpene        |
| $\beta$ -Copaene              | 0.05         | Sesquiterpene        |
| Octyl isovalerate?            | 0.02         | Aliphatic ester      |
| Menthofuroolactone isomer III | 0.06         | Monoterpenic lactone |
| Isogermacrene D               | 0.03         | Sesquiterpene        |
| $\alpha$ -Humulene            | 0.10         | Sesquiterpene        |
| (E)- $\beta$ -Farnesene       | 0.07         | Sesquiterpene        |
| $\gamma$ -Murolene            | 0.03         | Sesquiterpene        |
| Germacrene D                  | 0.19         | Sesquiterpene        |
| Menthallactone                | 0.04         | Monoterpenic lactone |
| Viridiflorene                 | 0.03         | Sesquiterpene        |
| Bicyclogermacrene             | 0.05         | Sesquiterpene        |
| $\gamma$ -Cadinene            | 0.02         | Sesquiterpene        |
| $\delta$ -Cadinene            | 0.03         | Sesquiterpene        |
| Isocaryophyllene epoxide B    | 0.01         | Sesquiterpenic ether |
| Caryophyllene oxide           | 0.07         | Sesquiterpenic ether |
| Caryophyllene oxide isomer    | 0.02         | Sesquiterpenic ether |
| Unknown                       | 0.02         | Unknown              |
| <b>Consolidated total</b>     | <b>99.07</b> |                      |

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

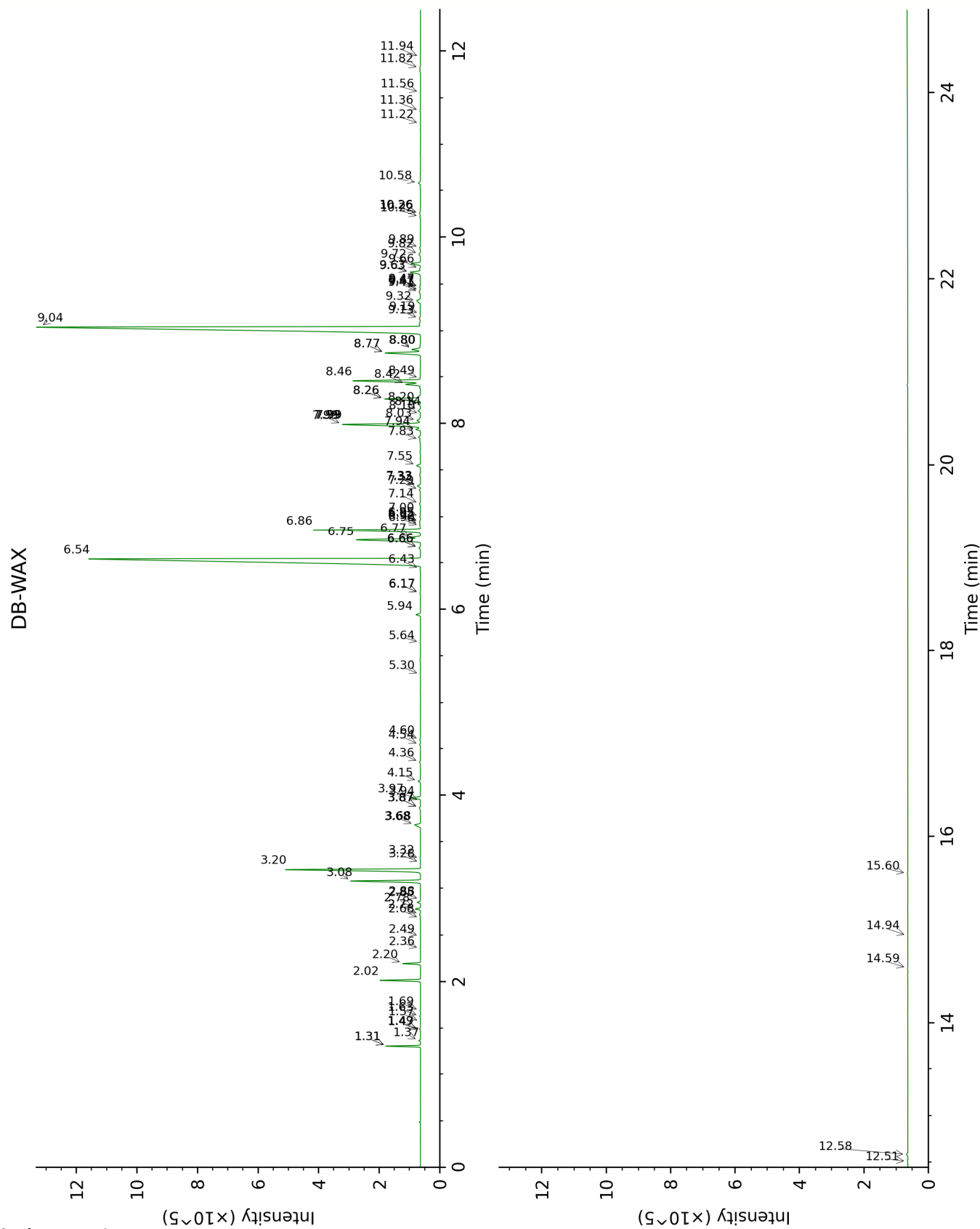
Note: no correction factor was applied

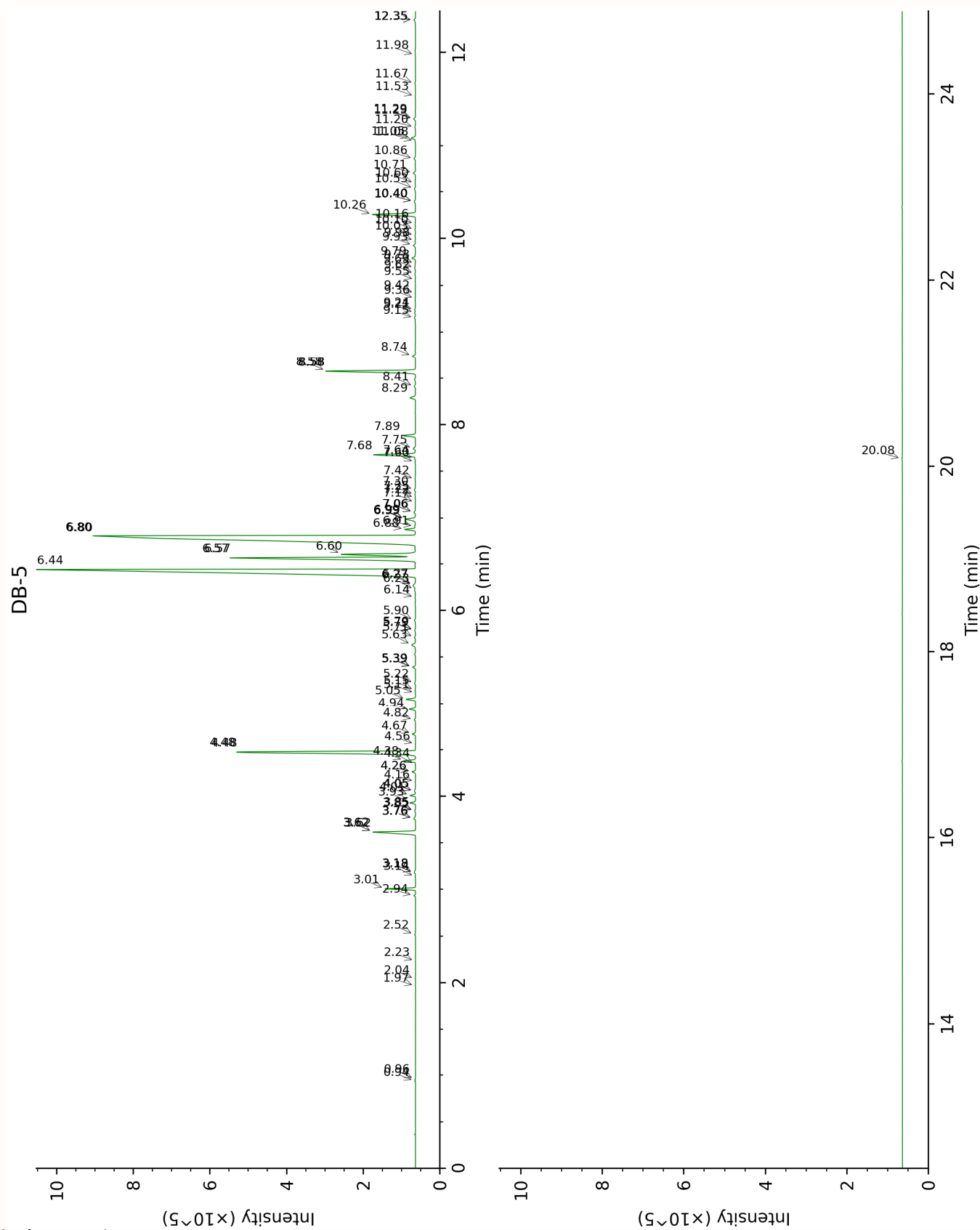
**About "consolidated" data:** The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

| Isoamyl alcohol                  | Column DB-WAX |        |        | Column DB-5 |        |        |
|----------------------------------|---------------|--------|--------|-------------|--------|--------|
|                                  | 3.32          | 1177.1 | 0.01   | 0.94        | 732.1  | 0.01   |
| 2-Methylbutanol                  | 3.28          | 1173.9 | 0.01   | 0.96        | 735.1  | 0.01   |
| Ethyl 2-methylbutyrate           | 1.57          | 1023.3 | tr     | 1.97        | 849.9  | 0.01   |
| (3Z)-Hexenol                     | 5.64          | 1346.2 | 0.02   | 2.04        | 856.2  | 0.01   |
| Hexanol                          | 5.30          | 1321.2 | 0.02   | 2.23        | 872.3  | 0.01   |
| trans-2,5-Diethyltetrahydrofuran | 1.49          | 1015.7 | 0.03   | 2.52        | 896.6  | 0.03   |
| α-Thujene                        | 1.37          | 1001.4 | 0.05   | 2.94        | 926.3  | 0.05   |
| α-Pinene                         | 1.31*         | 991.9  | [0.88] | 3.01        | 931.1  | 0.89   |
| trans-3-Methylcyclohexanol       | 6.66*         | 1420.9 | [0.08] | 3.14        | 939.8  | 0.01   |
| Camphene                         | 1.63          | 1029.1 | 0.02   | 3.18*       | 942.8  | [0.07] |
| 3-Methylcyclohexanone            | 4.54          | 1269.3 | 0.04   | 3.18*       | 942.8  | [0.07] |
| β-Pinene                         | 2.02          | 1066.9 | 1.27   | 3.62*       | 972.1  | [1.87] |
| cis-para-Menthane                | 1.31*         | 991.9  | [0.88] | 3.62*       | 972.1  | [1.87] |
| Sabinene                         | 2.20          | 1084.7 | 0.56   | 3.62*       | 972.1  | [1.87] |
| Octen-3-ol                       | 6.66*         | 1420.9 | [0.08] | 3.76*       | 981.9  | [0.07] |
| cis-Carane                       | 1.69          | 1035.1 | 0.01   | 3.76*       | 981.9  | [0.07] |
| trans-para-Menthane              | 1.47          | 1013.8 | 0.01   | 3.84*       | 987.4  | [0.04] |
| Octan-3-one                      | 3.87*         | 1219.6 | [0.07] | 3.84*       | 987.4  | [0.04] |
| Myrcene                          | 2.78          | 1135.0 | 0.18   | 3.93        | 993.2  | 0.18   |
| Octan-3-ol                       | 5.94          | 1368.0 | 0.19   | 4.01        | 998.5  | 0.18   |
| α-Phellandrene                   | 2.68          | 1127.0 | 0.02   | 4.06*       | 1001.5 | [0.07] |
| Pseudolimonene                   | 2.72          | 1130.4 | 0.04   | 4.06*       | 1001.5 | [0.07] |
| Δ3-Carene                        | 2.49          | 1112.1 | 0.01   | 4.16        | 1008.3 | 0.01   |
| α-Terpinene                      | 2.85          | 1140.6 | 0.12   | 4.26*       | 1015.0 | [0.12] |
| 1,4-Cineole                      | 2.88          | 1142.8 | 0.01   | 4.26*       | 1015.0 | [0.12] |
| Carvomenthene                    | 2.36          | 1100.7 | 0.01   | 4.34        | 1019.9 | 0.01   |
| para-Cymene                      | 3.97          | 1227.4 | 0.42   | 4.38        | 1022.4 | 0.42   |
| Limonene                         | 3.08          | 1158.5 | 2.65   | 4.48*       | 1028.4 | [8.49] |
| 1,8-Cineole                      | 3.20          | 1168.2 | 5.85   | 4.48*       | 1028.4 | [8.49] |
| 2-Ethylhexanol                   | 7.14          | 1457.1 | 0.05   | 4.56        | 1033.8 | 0.01   |
| (Z)-β-Ocimene                    | 3.68*         | 1206.1 | [0.33] | 4.67        | 1040.7 | 0.11   |
| (E)-β-Ocimene                    | 3.87*         | 1219.6 | [0.07] | 4.82        | 1050.5 | 0.05   |
| γ-Terpinene                      | 3.68*         | 1206.1 | [0.33] | 4.94        | 1057.9 | 0.22   |
| cis-Sabinene hydrate             | 6.77          | 1429.5 | 0.31   | 5.05        | 1064.9 | 0.33   |
| para-Mentha-3,8-diene            | 3.94          | 1224.7 | 0.01   | 5.11        | 1069.0 | tr     |
| cis-Linalool oxide (fur.)        | 6.43          | 1403.9 | 0.03   | 5.15        | 1071.2 | 0.02   |
| Octanol                          | 8.03          | 1525.2 | 0.21   | 5.22        | 1076.0 | 0.05   |
| Terpinolene                      | 4.15          | 1240.6 | 0.10   | 5.39*       | 1086.9 | [0.11] |
| para-Cymenene                    | 6.17*         | 1384.9 | [0.02] | 5.39*       | 1086.9 | [0.11] |
| Linalool                         | 7.94          | 1517.7 | 0.21   | 5.63        | 1102.2 | 0.23   |

|                                                                                    |        |        |        |       |        |         |
|------------------------------------------------------------------------------------|--------|--------|--------|-------|--------|---------|
| 2-Methylbutyl 2-methylbutyrate                                                     | 4.36   | 1255.8 | 0.05   | 5.71  | 1107.3 | 0.04    |
| Amyl isovalerate                                                                   | 4.60   | 1273.5 | 0.04   | 5.79* | 1112.3 | [0.04]  |
| β-Thujone                                                                          | 6.17*  | 1384.9 | [0.02] | 5.79* | 1112.3 | [0.04]  |
| cis-para-Menth-2-en-1-ol                                                           | 7.99*  | 1521.8 | [3.85] | 5.90  | 1119.3 | 0.06    |
| trans-para-Menth-2-en-1-ol                                                         | 8.80*  | 1585.7 | [0.40] | 6.14  | 1135.2 | 0.03    |
| trans-Sabinol                                                                      | 9.66   | 1655.3 | 0.05   | 6.23  | 1140.7 | 0.06    |
| Isopulegol                                                                         | 7.99*  | 1521.8 | [3.85] | 6.27* | 1143.7 | [0.16]  |
| cis-α-Dihydroterpineol                                                             | 8.10   | 1530.5 | 0.01   | 6.27* | 1143.7 | [0.16]  |
| Menthone                                                                           | 6.54   | 1411.9 | 29.61  | 6.44  | 1154.7 | 29.68   |
| Isomenthone                                                                        | 6.86   | 1435.7 | 5.24   | 6.57* | 1162.9 | [8.40]  |
| Menthofuran                                                                        | 6.75   | 1427.5 | 3.14   | 6.57* | 1162.9 | [8.40]  |
| neo-Menthol                                                                        | 8.46   | 1558.7 | 2.86   | 6.60  | 1165.3 | 2.99    |
| Menthol                                                                            | 9.04   | 1604.4 | 32.72  | 6.80* | 1178.3 | [33.74] |
| Terpinen-4-ol                                                                      | 8.42   | 1555.7 | 0.64   | 6.80* | 1178.3 | [33.74] |
| Isomenthol                                                                         | 8.80*  | 1585.7 | [0.40] | 6.88  | 1183.3 | 0.38    |
| para-Cymen-8-ol                                                                    | 11.36  | 1798.7 | 0.03   | 6.91  | 1185.4 | 0.04    |
| α-Terpineol                                                                        | 9.63*  | 1652.4 | [0.55] | 6.99* | 1190.5 | [0.46]  |
| Myrtenal                                                                           | 8.49   | 1560.8 | 0.02   | 6.99* | 1190.5 | [0.46]  |
| neoiso-Menthol                                                                     | 9.32†  | 1627.5 | 0.19   | 6.99* | 1190.5 | [0.46]  |
| Methylchavicol                                                                     | 9.19   | 1616.1 | 0.02   | 7.06* | 1195.3 | [0.07]  |
| Dihydrocarveol                                                                     | 10.26* | 1704.2 | [0.06] | 7.06* | 1195.3 | [0.07]  |
| Dihydroanethole                                                                    |        |        |        | 7.17  | 1202.0 | 0.01    |
| Unknown MEPI V [m/z 43, 99 (84), 81 (46), 986 (43), 126 (36), 71 (28)... 170 (12)] |        |        |        | 7.22  | 1205.3 | 0.01    |
| 4,7-Dimethylbenzofuran?                                                            |        |        |        | 7.25  | 1207.7 | 0.03    |
| Unknown UNKN CCCXCVIII [m/z 43, 99 (91), 81 (48), 86 (45), 126 (36)...]            |        |        |        | 7.30  | 1211.3 | 0.05    |
| trans-Carveol                                                                      | 11.22  | 1787.0 | 0.02   | 7.42  | 1219.0 | 0.02    |
| cis-Carveol                                                                        | 11.56  | 1816.0 | 0.01   | 7.60  | 1231.3 | 0.02    |
| Citronellol                                                                        | 10.58  | 1731.6 | 0.10   | 7.64  | 1234.2 | 0.02    |
| Pulegone                                                                           | 8.76*  | 1582.7 | [1.63] | 7.68  | 1237.0 | 1.62    |
| Carvone                                                                            | 9.82   | 1668.0 | 0.09   | 7.75  | 1241.6 | 0.10    |
| Piperitone                                                                         | 9.72   | 1659.9 | 0.44   | 7.89  | 1251.1 | 0.44    |
| neo-Menthyl acetate                                                                | 7.55   | 1488.0 | 0.19   | 8.29  | 1278.9 | 0.25    |
| Dihydroedulan I                                                                    | 6.95*  | 1442.6 | [0.05] | 8.41  | 1287.3 | 0.06    |
| Dihydroedulan II                                                                   | 7.29   | 1468.3 | 0.05   | 8.58* | 1298.6 | [3.62]  |
| Thymol                                                                             | 14.94  | 2132.8 | 0.02   | 8.58* | 1298.6 | [3.62]  |

|                                                                                  |        |        |        |        |        |        |
|----------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Menthyl acetate                                                                  | 7.99*  | 1521.8 | [3.85] | 8.58*  | 1298.6 | [3.62] |
| Isomenthyl acetate                                                               | 8.14   | 1533.2 | 0.13   | 8.74   | 1306.6 | 0.11   |
| Bicycloelemene                                                                   | 6.92   | 1440.7 | 0.05   | 9.15   | 1335.6 | 0.05   |
| Menthofurolactone isomer I                                                       |        |        |        | 9.21   | 1339.4 | 0.04   |
| Menthofurolactone isomer II                                                      |        |        |        | 9.24   | 1342.0 | 0.04   |
| Menthofurolactone                                                                | 11.82  | 1839.3 | 0.05   | 9.36   | 1350.3 | 0.02   |
| Eugenol                                                                          | 14.59  | 2098.4 | 0.02   | 9.42   | 1354.4 | 0.02   |
| Longicyclene                                                                     | 6.95*  | 1442.6 | [0.05] | 9.56   | 1364.3 | 0.02   |
| $\alpha$ -Ylangene                                                               | 6.90   | 1439.1 | 0.03   | 9.62   | 1369.1 | 0.03   |
| $\alpha$ -Copaene                                                                | 7.00   | 1446.6 | 0.04   | 9.68   | 1373.5 | 0.05   |
| Unknown UNKN CLXIV<br>[m/z 81, 163 (41), 80 (31), 107 (15), 79 (14), 93 (10)...] |        |        |        | 9.73   | 1376.8 | 0.02   |
| $\beta$ -Bourbonene                                                              | 7.33*  | 1471.7 | [0.15] | 9.79   | 1381.2 | 0.17   |
| $\beta$ -Elemene                                                                 | 8.26*  | 1543.3 | [1.67] | 9.93   | 1390.7 | 0.11   |
| Cyperene                                                                         | 7.33*  | 1471.7 | [0.15] | 9.98   | 1394.2 | 0.03   |
| Longifolene                                                                      | 7.82   | 1508.8 | 0.06   | 10.03  | 1398.1 | 0.03   |
| Isocaryophyllene                                                                 | 7.99*  | 1521.8 | [3.85] | 10.10  | 1402.7 | 0.03   |
| Decyl acetate                                                                    | 9.47*  | 1639.6 | [0.05] | 10.16  | 1407.1 | 0.02   |
| $\beta$ -Caryophyllene                                                           | 8.26*  | 1543.3 | [1.67] | 10.26  | 1414.8 | 1.75   |
| $\beta$ -Copaene                                                                 | 8.20   | 1538.5 | 0.05   | 10.40* | 1425.2 | [0.07] |
| Octyl isovalerate?                                                               |        |        |        | 10.40* | 1425.2 | [0.07] |
| Menthofurolactone isomer III                                                     |        |        |        | 10.53  | 1435.5 | 0.06   |
| Isogermacrene D                                                                  | 8.76*  | 1582.7 | [1.63] | 10.60  | 1440.5 | 0.03   |
| $\alpha$ -Humulene                                                               | 9.13   | 1611.9 | 0.09   | 10.71  | 1448.7 | 0.10   |
| (E)- $\beta$ -Farnesene                                                          | 9.41   | 1634.8 | 0.08   | 10.86  | 1460.2 | 0.07   |
| $\gamma$ -Murolene                                                               | 9.43   | 1636.3 | 0.02   | 11.05  | 1474.2 | 0.03   |
| Germacrene D                                                                     | 9.63*  | 1652.4 | [0.55] | 11.08  | 1476.7 | 0.19   |
| Menthallactone                                                                   | 15.60  | 2200.4 | 0.03   | 11.20  | 1485.6 | 0.04   |
| Viridiflorene                                                                    | 9.47*  | 1639.6 | [0.05] | 11.29* | 1492.1 | [0.08] |
| Bicyclogermacrene                                                                | 9.89   | 1674.0 | 0.05   | 11.29* | 1492.1 | [0.08] |
| $\gamma$ -Cadinene                                                               | 10.22  | 1701.1 | 0.04   | 11.53  | 1510.4 | 0.02   |
| $\delta$ -Cadinene                                                               | 10.26* | 1704.2 | [0.06] | 11.67  | 1521.5 | 0.03   |
| Isocaryophyllene epoxide B                                                       | 11.94  | 1850.0 | 0.01   | 11.98  | 1545.6 | 0.01   |
| Caryophyllene oxide                                                              | 12.58  | 1907.7 | 0.07   | 12.35* | 1575.5 | [0.09] |
| Caryophyllene oxide isomer                                                       | 12.51  | 1901.0 | 0.02   | 12.35* | 1575.5 | [0.09] |
| Unknown MEPU XVI<br>[m/z 165, 166 (48), 137 (11), 67 (9), 124 (7), 43            |        |        |        | 20.08  | 2301.0 | 0.02   |

|                |        |  |  |        |  |  |
|----------------|--------|--|--|--------|--|--|
| (7)...         |        |  |  |        |  |  |
| Total reported | 98.60% |  |  | 99.47% |  |  |
|                |        |  |  |        |  |  |

\*: 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