

Date : April 4, 2023

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 23C13-NPA07

Customer identification : NPS00044 - Lavandula angustifolia - Bulgaria - Lot # NP0069

Type : Essential oil

Source : Lavandula angustifolia

Customer : Nature Packaged

ANALYSIS

Method: PC-MAT-014  - Analysis of the composition of an essential oil or other volatile liquid by FAST GC-FID (in French); identifications validated by GC-MS.

Analyst : Amélie Simard, Analyste

Analysis date : March 21, 2023

Checked and approved by :

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

Notes: This report is digitally signed, it is only considered valid if the digital signature is intact. The results only describe the samples that were submitted to the assays.

This report is an update from the first version issued on March 27, 2023, to format it for online publication.

PHYSICOCHEMICAL DATA

Physical aspect: Faintly yellow liquid

Refractive index: 1.4613 ± 0.0003 (20 °C; method PC-MAT-016)

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 |
|-------------------------------------|------|--------------------|
| Acetone | 0.07 | Aliphatic ketone |
| Isobutyral | 0.01 | Aliphatic aldehyde |
| Methacrolein | 0.01 | Aliphatic aldehyde |
| 3-Buten-2-one | 0.02 | Aliphatic ketone |
| 2-Methyl-3-buten-2-ol | 0.01 | Aliphatic alcohol |
| Isovaleral | 0.02 | Aliphatic aldehyde |
| 2-Methylbutyral | 0.01 | Aliphatic aldehyde |
| Isoamyl alcohol | 0.01 | Aliphatic alcohol |
| 2-Methylbutanol | 0.01 | Aliphatic alcohol |
| Toluene | 0.01 | Simple phenolic |
| Prenal | 0.01 | Aliphatic aldehyde |
| Hexanal | 0.01 | Aliphatic aldehyde |
| Butyl acetate | 0.02 | Aliphatic ester |
| Methyl hexyl ether | 0.08 | Aliphatic ether |
| (3Z)-Hexenol | 0.04 | Aliphatic alcohol |
| Hexanol | 0.12 | Aliphatic alcohol |
| Unknown | 0.02 | Unknown |
| Tricyclene | 0.02 | Monoterpene |
| α -Thujene | 0.10 | Monoterpene |
| α -Pinene | 0.19 | Monoterpene |
| Camphene | 0.14 | Monoterpene |
| Thuja-2,4(10)-diene | 0.01 | Monoterpene |
| Butyl isobutyrate | 0.02 | Aliphatic ester |
| Sabinene | 0.04 | Monoterpene |
| β -Pinene | 0.04 | Monoterpene |
| Octen-3-ol | 0.24 | Aliphatic alcohol |
| Octan-3-one | 1.23 | Aliphatic ketone |
| Dehydro-1,8-cineole | 0.02 | Monoterpenic ether |
| Myrcene | 0.60 | Monoterpene |
| Butyl butyrate | 0.09 | Aliphatic ester |
| Pseudolimonene | 0.01 | Monoterpene |
| Octan-3-ol | 0.25 | Aliphatic alcohol |
| α -Phellandrene | 0.04 | Monoterpene |
| <i>cis</i> -Dehydroxylinalool oxide | 0.02 | Monoterpenic ether |
| Δ^3 -Carene | 0.09 | Monoterpene |
| α -Terpinene | 0.04 | Monoterpene |
| Hexyl acetate | 0.47 | Aliphatic ester |
| meta-Cymene | 0.04 | Monoterpene |
| para-Cymene | 0.19 | Monoterpene |
| Limonene | 0.33 | Monoterpene |
| 1,8-Cineole | 0.66 | Monoterpenic ether |
| β -Phellandrene | 0.25 | Monoterpene |
| Lavender lactone | 0.02 | Aliphatic lactone |
| (Z)- β -Ocimene | 3.82 | Monoterpene |
| (E)- β -Ocimene | 2.30 | Monoterpene |

| | | |
|---|-------|------------------------|
| γ-Terpinene | 0.13 | Monoterpene |
| <i>cis</i> -Sabinene hydrate | 0.06 | Monoterpenic alcohol |
| <i>cis</i> -Linalool oxide (fur.) | 0.13 | Monoterpenic alcohol |
| Octanol | 0.03 | Aliphatic alcohol |
| α-Pinene oxide analog | 0.05 | Monoterpenic ether |
| Isoterpinolene | 0.01 | Monoterpene |
| Terpinolene | 0.08 | Monoterpene |
| <i>trans</i> -Linalool oxide (fur.) | 0.07 | Monoterpenic alcohol |
| α-Pinene oxide | 0.01 | Monoterpenic ether |
| Rosefuran | 0.03 | Monoterpenic ether |
| <i>trans</i> -Sabinene hydrate | 0.05 | Monoterpenic alcohol |
| Linalool | 31.72 | Monoterpenic alcohol |
| (<i>Z</i>)-6-Methyl-3,5-heptadien-2-one | 0.03 | Aliphatic ketone |
| β-Thujone | 0.03 | Monoterpenic ketone |
| Octen-3-yl acetate | 0.77 | Aliphatic ester |
| Unknown | 0.04 | Unknown |
| α-Campholenal | 0.04 | Monoterpenic aldehyde |
| Octan-3-yl acetate | 0.12 | Aliphatic ester |
| allo-Ocimene | 0.07 | Monoterpene |
| (<i>Z</i>)-Myroxide | 0.06 | Monoterpenic ether |
| Camphor | 0.23 | Monoterpenic ketone |
| <i>trans</i> -Verbenol | 0.03 | Monoterpenic alcohol |
| (<i>E</i>)-Myroxide | tr | Monoterpenic ether |
| Hexyl isobutyrate | 0.08 | Aliphatic ester |
| Nerol oxide | 0.02 | Aliphatic ether |
| Borneol | 0.59 | Monoterpenic alcohol |
| <i>cis</i> -Linalool oxide (pyr.) | 0.03 | Monoterpenic alcohol |
| Lavandulol | 1.20 | Monoterpenic alcohol |
| (3 <i>E</i> ,5 <i>Z</i>)-Undeca-1,3,5-triene | 0.07 | Alkene |
| Terpinen-4-ol | 4.41 | Monoterpenic alcohol |
| Cryptone | 0.24 | Normonoterpenic ketone |
| meta-Cymen-8-ol | 0.10 | Monoterpenic alcohol |
| para-Cymen-8-ol | 0.08 | Monoterpenic alcohol |
| α-Terpineol | 1.05 | Monoterpenic alcohol |
| Myrtenal | 0.01 | Monoterpenic aldehyde |
| Hexyl butyrate | 0.28 | Aliphatic ester |
| Hodiendiol (2,6-dimethylocta-3,7-diene-2,6-diol) | 0.03 | Monoterpenic alcohol |
| Verbenone | 0.03 | Monoterpenic ketone |
| Unknown | 0.04 | Unknown |
| (3 <i>E</i> ,5 <i>E</i>)-2,6-Dimethylocta-3,5,7-trien-2-ol | 0.07 | Monoterpenic alcohol |
| Octyl acetate | 0.02 | Aliphatic ester |
| <i>trans</i> -Carveol | 0.03 | Monoterpenic alcohol |
| Bornyl formate | 0.05 | Monoterpenic ester |
| Nerol | 0.20 | Monoterpenic alcohol |
| Hexyl 2-methylbutyrate | 0.03 | Aliphatic ester |
| Cuminal | 0.09 | Monoterpenic aldehyde |
| Carvone | 0.04 | Monoterpenic ketone |
| Neral | 0.04 | Monoterpenic aldehyde |
| Hexyl isovalerate | 0.02 | Aliphatic ester |
| Geraniol | 0.44 | Monoterpenic alcohol |
| Linalyl acetate | 29.81 | Monoterpenic ester |

| | | |
|--|---------------|--------------------------|
| Geranial | 0.05 | Monoterpenic aldehyde |
| 2,6-Dimethyl-1,7-octadiene-3,6-diol | 0.01 | Monoterpenic alcohol |
| Bornyl acetate | 0.11 | Monoterpenic ester |
| Lavandulyl acetate | 3.12 | Monoterpenic ester |
| Hexyl tiglate | 0.04 | Aliphatic ester |
| Hodiendiol derivative | 0.01 | Oxygenated monoterpene |
| Unknown | 0.02 | Oxygenated monoterpene |
| Unknown | 0.02 | Oxygenated monoterpene |
| Hodiendiol derivative III | 0.02 | Oxygenated monoterpene |
| Neryl acetate | 0.28 | Monoterpenic ester |
| α -Copaene | 0.02 | Sesquiterpene |
| β -Bourbonene | 0.03 | Sesquiterpene |
| Geranyl acetate | 0.48 | Monoterpenic ester |
| 7-epi-Sesquithujene | 0.09 | Sesquiterpene |
| Hexyl hexanoate | 0.09 | Aliphatic ester |
| Isocaryophyllene | 0.02 | Sesquiterpene |
| Sesquithujene | 0.04 | Sesquiterpene |
| β -Caryophyllene | 3.68 | Sesquiterpene |
| α -Santalene | 0.40 | Sesquiterpene |
| Coumarin | 0.05 | Coumarin |
| Lavandulyl isobutyrate | 0.01 | Monoterpenic ester |
| <i>trans</i> - α -Bergamotene | 0.14 | Sesquiterpene |
| Sesquisabinene A | 0.06 | Sesquiterpene |
| <i>cis</i> - β -Bergamotene? | 0.02 | Sesquiterpene |
| α -Humulene | 0.14 | Sesquiterpene |
| Lavandulyl butyrate? | 0.13 | Monoterpenic ester |
| β -Santalene | 0.02 | Sesquiterpene |
| (<i>E</i>)- β -Farnesene | 3.64 | Sesquiterpene |
| Germacrene D | 0.48 | Sesquiterpene |
| <i>trans</i> - β -Bergamotene | 0.06 | Sesquiterpene |
| Isodaucene | 0.02 | Sesquiterpene |
| β -Bisabolene | 0.04 | Sesquiterpene |
| γ -Cadinene | 0.12 | Sesquiterpene |
| δ -Cadinene | 0.03 | Sesquiterpene |
| β -Sesquiphellandrene | 0.03 | Sesquiterpene |
| Isocaryophyllene epoxide B | 0.03 | Sesquiterpenic ether |
| (<i>E</i>)-Nerolidol | 0.02 | Sesquiterpenic alcohol |
| Caryophyllene oxide | 0.22 | Sesquiterpenic ether |
| Caryophyllene oxide isomer | 0.04 | Sesquiterpenic ether |
| τ -Cadinol | 0.06 | Sesquiterpenic alcohol |
| (3 <i>Z</i>)-Caryophylla-3,8(13)-dien-5 β -ol | 0.02 | Sesquiterpenic alcohol |
| <i>cis</i> -14-nor-Muuro-5-en-4-one? | 0.01 | Norsesquiterpenic ketone |
| Consolidated total | 98.56% | |

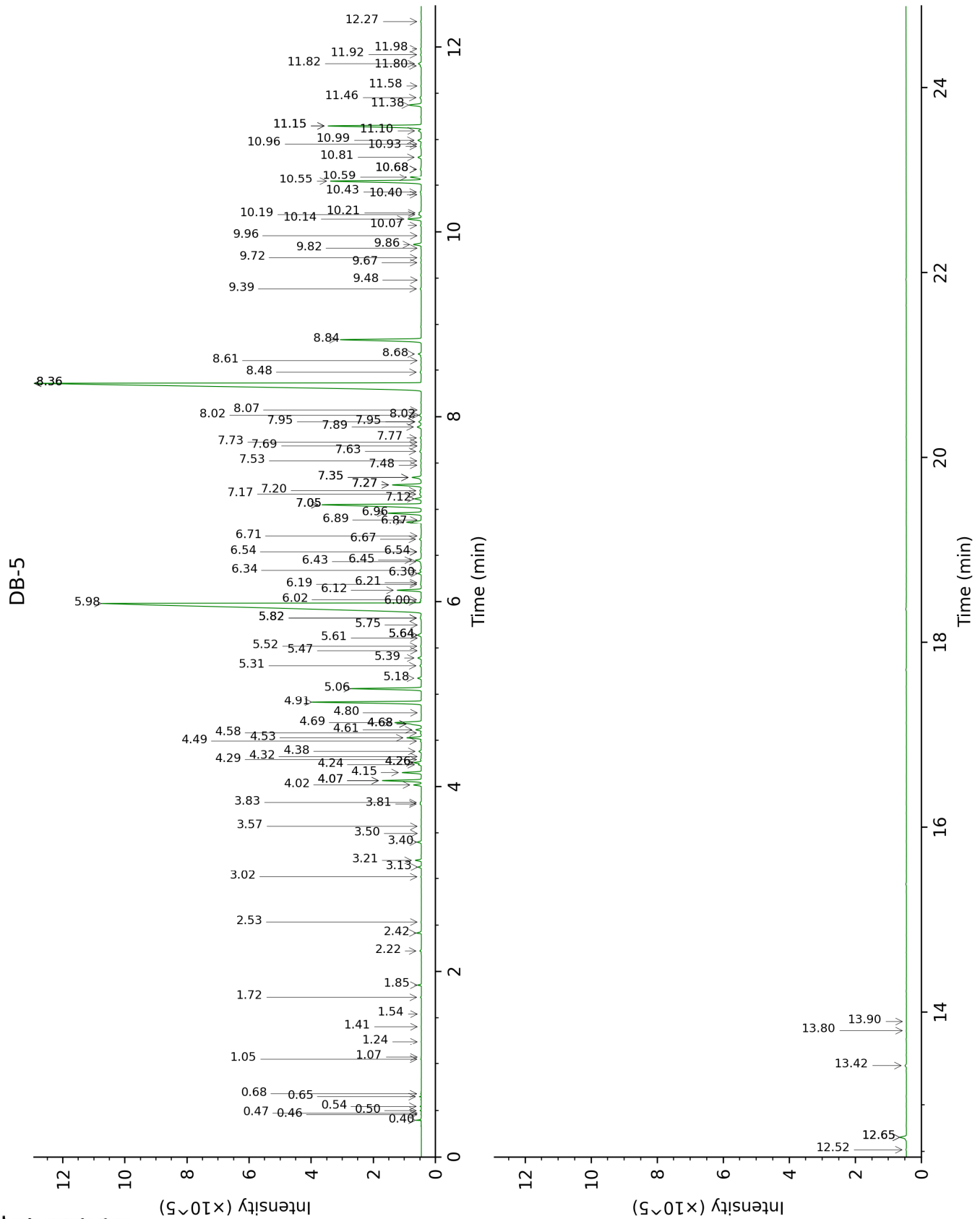
tr: The compound has been detected below 0.005% of total signal.

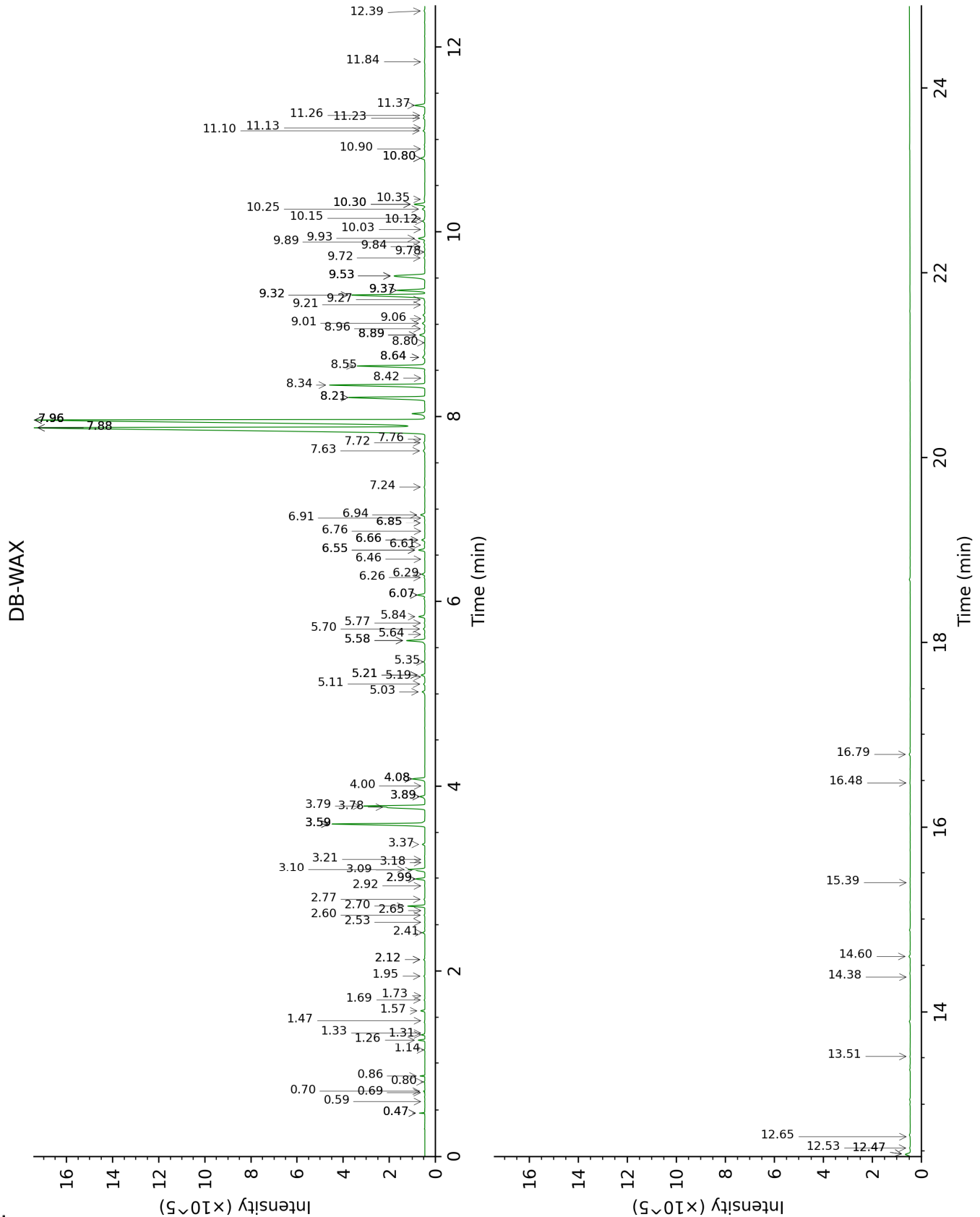
Note: no correction factor was applied

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.

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FULL ANALYSIS DATA

| Identification | Column DB-5 | | | Column DB-WAX | | |
|--|-------------|------|--------|---------------|------|--------|
| | R.T | R.I | % | R.T | R.I | % |
| Acetone | 0.40 | 500 | 0.07 | 0.47* | 784 | 0.08 |
| Isobutyral | 0.46 | 538 | 0.01 | 0.47* | 784 | [0.08] |
| Methacrolein | 0.47 | 551 | 0.01 | 0.59 | 843 | tr |
| 3-Buten-2-one | 0.50 | 572 | 0.02 | 0.80 | 911 | 0.02 |
| 2-Methyl-3-buten-2-ol | 0.54 | 606 | 0.01 | 1.46 | 1015 | 0.01 |
| Isovaleral | 0.65 | 641 | 0.02 | 0.70 | 888 | 0.02 |
| 2-Methylbutyral | 0.68 | 651 | 0.01 | 0.69 | 881 | 0.01 |
| Isoamyl alcohol | 1.05 | 733 | 0.01 | 3.21 | 1176 | 0.01 |
| 2-Methylbutanol | 1.07 | 736 | 0.01 | 3.18 | 1173 | 0.01 |
| Toluene | 1.24 | 759 | 0.01 | 1.33 | 1002 | 0.01 |
| Prenal | 1.40 | 781 | 0.01 | 2.99* | 1158 | 0.34 |
| Hexanal | 1.54 | 800 | 0.01 | 1.73 | 1043 | tr |
| Butyl acetate | 1.72 | 816 | 0.02 | 1.69 | 1038 | 0.02 |
| Methyl hexyl ether | 1.85 | 827 | 0.08 | 0.86 | 922 | 0.09 |
| (3Z)-Hexenol | 2.22 | 857 | 0.04 | 5.58* | 1350 | 0.79 |
| Hexanol | 2.42 | 873 | 0.12 | 5.21* | 1323 | 0.15 |
| Unknown [m/z 59, 85 (88), 41 (57), 43 (43)...] | 2.53 | 882 | 0.02 | 5.64 | 1355 | 0.03 |
| Tricyclene | 3.02 | 919 | 0.02 | 1.14 | 971 | 0.02 |
| α -Thujene | 3.13 | 926 | 0.10 | 1.31 | 1000 | 0.09 |
| α -Pinene | 3.21 | 931 | 0.19 | 1.26 | 991 | 0.18 |
| Camphene | 3.40 | 944 | 0.14 | 1.57 | 1026 | 0.12 |
| Thuja-2,4(10)-diene | 3.50 | 950 | 0.01 | 2.12* | 1084 | 0.05 |
| Butyl isobutyrate | 3.57 | 955 | 0.02 | 2.53 | 1120 | 0.01 |
| Sabinene | 3.81† | 971 | 0.08 | 2.12* | 1084 | [0.05] |
| β -Pinene | 3.83† | 972 | [0.08] | 1.95 | 1065 | 0.04 |
| Octen-3-ol | 4.02 | 984 | 0.24 | 6.55* | 1421 | 0.26 |
| Octan-3-one | 4.06* | 987 | 1.24 | 3.78† | 1221 | 3.54 |
| Dehydro-1,8-cineole | 4.06* | 987 | [1.24] | 2.92 | 1152 | 0.02 |
| Myrcene | 4.15 | 993 | 0.60 | 2.70 | 1134 | 0.59 |
| Butyl butyrate | 4.24 | 999 | 0.09 | 3.37 | 1190 | 0.09 |
| Pseudolimonene | 4.26* | 1000 | 0.25 | 2.65 | 1130 | 0.01 |
| Octan-3-ol | 4.26* | 1000 | [0.25] | 5.84 | 1368 | 0.25 |
| α -Phellandrene | 4.29 | 1002 | 0.04 | 2.60 | 1126 | 0.03 |
| <i>cis</i> -Dehydroxylinalool oxide | 4.32 | 1004 | 0.02 | 3.59* | 1207 | 3.96 |
| Δ 3-Carene | 4.38 | 1008 | 0.09 | 2.41 | 1111 | 0.08 |
| α -Terpinene | 4.49 | 1015 | 0.04 | 2.77 | 1140 | 0.04 |
| Hexyl acetate | 4.53 | 1017 | 0.47 | 4.08* | 1245 | 0.55 |
| meta-Cymene | 4.58 | 1020 | 0.04 | 3.89* | 1230 | 0.22 |
| para-Cymene | 4.61 | 1022 | 0.19 | 3.89* | 1230 | [0.22] |
| Limonene | 4.68*† | 1026 | 1.25 | 2.99* | 1158 | [0.34] |
| 1,8-Cineole | 4.68*† | 1026 | [1.25] | 3.10 | 1167 | 0.66 |
| β -Phellandrene | 4.69† | 1027 | [1.25] | 3.09 | 1166 | 0.25 |

| | | | | | | |
|---|-------|------|--------|--------|------|---------|
| Lavender lactone | 4.80 | 1034 | 0.02 | 8.96 | 1606 | 0.03 |
| (Z)-β-Ocimene | 4.91 | 1041 | 3.82 | 3.59* | 1207 | [3.96] |
| (E)-β-Ocimene | 5.06 | 1050 | 2.30 | 3.79† | 1222 | [3.54] |
| γ-Terpinene | 5.18 | 1058 | 0.13 | 3.59* | 1207 | [3.96] |
| cis-Sabinene hydrate | 5.31 | 1066 | 0.06 | 6.66* | 1430 | 0.14 |
| cis-Linalool oxide (fur.) | 5.39 | 1071 | 0.13 | 6.29 | 1402 | 0.13 |
| Octanol | 5.47 | 1076 | 0.03 | 7.96*† | 1528 | [62.42] |
| α-Pinene oxide analog | 5.52 | 1079 | 0.05 | 5.21* | 1323 | [0.15] |
| Isoterpinolene | 5.61 | 1084 | 0.01 | 4.00 | 1239 | 0.01 |
| Terpinolene | 5.64* | 1086 | 0.17 | 4.08* | 1245 | [0.55] |
| trans-Linalool oxide (fur.) | 5.64* | 1086 | [0.17] | 6.66* | 1430 | [0.14] |
| α-Pinene oxide | 5.75 | 1093 | 0.01 | 5.19 | 1321 | 0.01 |
| Rosefuran | 5.82* | 1098 | 0.07 | 5.77 | 1364 | 0.03 |
| trans-Sabinene hydrate | 5.82* | 1098 | [0.07] | 7.72 | 1509 | 0.05 |
| Linalool | 5.98 | 1108 | 31.72 | 7.88*† | 1522 | 62.42 |
| (Z)-6-Methyl-3,5-heptadien-2-one | 6.00 | 1109 | 0.03 | 7.96*† | 1528 | [62.42] |
| β-Thujone | 6.02 | 1110 | 0.03 | 6.07* | 1386 | 0.31 |
| Octen-3-yl acetate | 6.12 | 1117 | 0.77 | 5.58* | 1350 | [0.79] |
| Unknown [m/z 82, 81 (72), 43 (64), 54 (32), 41 (20)...] | 6.19 | 1121 | 0.04 | 9.37* | 1640 | 1.20 |
| α-Campholenal | 6.20 | 1122 | 0.04 | 6.76 | 1437 | 0.01 |
| Octan-3-yl acetate | 6.30 | 1128 | 0.12 | 5.03 | 1309 | 0.11 |
| allo-Ocimene | 6.34 | 1131 | 0.07 | 5.35 | 1333 | 0.05 |
| (Z)-Myroxide | 6.43 | 1137 | 0.06 | 6.61 | 1426 | 0.04 |
| Camphor | 6.45 | 1138 | 0.23 | 6.94 | 1450 | 0.20 |
| trans-Verbenol | 6.54* | 1143 | 0.05 | 9.27 | 1632 | 0.03 |
| (E)-Myroxide | 6.54* | 1143 | [0.05] | 6.85* | 1444 | 0.02 |
| Hexyl isobutyrate | 6.67 | 1152 | 0.08 | 5.11 | 1316 | 0.06 |
| Nerol oxide | 6.71 | 1154 | 0.02 | 6.55* | 1421 | [0.26] |
| Borneol | 6.86 | 1164 | 0.59 | 9.52* | 1653 | 2.11 |
| cis-Linalool oxide (pyr.) | 6.89 | 1166 | 0.03 | 10.03 | 1694 | 0.04 |
| Lavandulol | 6.96 | 1170 | 1.20 | 9.37* | 1640 | [1.20] |
| (3E,5Z)-Undeca-1,3,5-triene | 7.05* | 1176 | 4.50 | 5.70 | 1359 | 0.07 |
| Terpinen-4-ol | 7.05* | 1176 | [4.50] | 8.34 | 1558 | 4.41 |
| Cryptone | 7.12 | 1180 | 0.24 | 8.89* | 1601 | 0.27 |
| meta-Cymen-8-ol | 7.17 | 1183 | 0.10 | 11.23 | 1796 | 0.07 |
| para-Cymen-8-ol | 7.20 | 1186 | 0.08 | 11.26 | 1799 | 0.07 |
| α-Terpineol | 7.27* | 1190 | 1.07 | 9.52* | 1653 | [2.11] |
| Myrtenal | 7.27* | 1190 | [1.07] | 8.42 | 1564 | 0.01 |
| Hexyl butyrate | 7.35* | 1195 | 0.38 | 6.07* | 1386 | [0.31] |
| Hodiendiol (2,6-dimethylocta-3,7-diene-2,6-diol) | 7.35* | 1195 | [0.38] | 12.53 | 1913 | 0.03 |

| | | | | | | |
|--|--------|------|---------|--------|------|---------|
| Verbenone | 7.48 | 1203 | 0.03 | 9.37* | 1640 | [1.20] |
| Unknown [m/z 43, 71 (66), 59 (52), 41 (47), 68 (46)...] | 7.52 | 1206 | 0.04 | | | |
| (3E,5E)-2,6-Dimethylocta-3,5,7-trien-2-ol | 7.63 | 1213 | 0.07 | 11.10 | 1785 | 0.08 |
| Octyl acetate | 7.69 | 1217 | 0.02 | 6.85* | 1444 | [0.02] |
| trans-Carveol | 7.73 | 1220 | 0.03 | 11.13 | 1787 | 0.03 |
| Bornyl formate | 7.77 | 1223 | 0.05 | 7.76 | 1512 | 0.01 |
| Nerol | 7.89 | 1231 | 0.20 | 10.80* | 1760 | 0.20 |
| Hexyl 2-methylbutyrate | 7.95* | 1234 | 0.13 | 6.26 | 1399 | 0.03 |
| Cuminal | 7.95* | 1234 | [0.13] | 10.30* | 1717 | 0.48 |
| Carvone | 8.02* | 1239 | 0.09 | 9.72 | 1668 | 0.04 |
| Neral | 8.02* | 1239 | [0.09] | 9.21 | 1627 | 0.04 |
| Hexyl isovalerate | 8.07 | 1243 | 0.02 | 6.46 | 1414 | 0.02 |
| Geraniol | 8.36* | 1262 | 30.25 | 11.37 | 1809 | 0.44 |
| Linalyl acetate | 8.36* | 1262 | [30.25] | 7.96*† | 1528 | [62.42] |
| Geranial | 8.48 | 1270 | 0.05 | 9.84 | 1678 | 0.04 |
| 2,6-Dimethyl-1,7-octadiene-3,6-diol | 8.61 | 1278 | 0.01 | 14.38 | 2087 | 0.01 |
| Bornyl acetate | 8.68 | 1283 | 0.11 | 7.96*† | 1528 | [62.42] |
| Lavandulyl acetate | 8.84 | 1294 | 3.12 | 8.55 | 1574 | 3.16 |
| Hexyl tiglate | 9.39 | 1332 | 0.04 | 8.64* | 1581 | 0.13 |
| Hodiendiol derivative | 9.48 | 1338 | 0.01 | 12.66 | 1924 | 0.01 |
| Unknown [m/z 43, 79 (47), 71 (31), 94 (27), 81 (23), 41 (22)... 197 (0)] | 9.67 | 1352 | 0.02 | 10.80* | 1760 | [0.20] |
| Unknown [m/z 43, 79 (46), 71 (30), 94 (25), 41 (23), 81 (21)... 197 (0)] | 9.72 | 1355 | 0.02 | 10.90 | 1768 | 0.04 |
| Hodiendiol derivative III | 9.82 | 1363 | 0.02 | 12.47* | 1906 | 0.23 |
| Neryl acetate | 9.86 | 1366 | 0.28 | 9.93 | 1686 | 0.29 |
| α-Copaene | 9.96 | 1372 | 0.02 | 6.91 | 1448 | 0.02 |
| β-Bourbonene | 10.07 | 1380 | 0.03 | 7.24 | 1473 | 0.04 |
| Geranyl acetate | 10.14 | 1385 | 0.48 | 10.30* | 1717 | [0.48] |
| 7-epi-Sesquithujene | 10.19 | 1388 | 0.09 | 7.63 | 1502 | 0.09 |
| Hexyl hexanoate | 10.21 | 1390 | 0.09 | 8.64* | 1581 | [0.13] |
| Isocaryophyllene | 10.40 | 1403 | 0.02 | 7.96*† | 1528 | [62.42] |
| Sesquithujene | 10.43 | 1405 | 0.04 | 7.88*† | 1522 | [62.42] |
| β-Caryophyllene | 10.55 | 1414 | 3.68 | 8.21* | 1547 | 3.77 |
| α-Santalene | 10.59 | 1417 | 0.40 | 7.96*† | 1528 | [62.42] |
| Coumarin | 10.68* | 1424 | 0.07 | 16.78 | 2336 | 0.05 |
| Lavandulyl isobutyrate | 10.68* | 1424 | [0.07] | 9.06 | 1615 | 0.01 |

| | | | | | | |
|--|--------|---------------|--------|--------|---------------|--------|
| <i>trans</i> - α -Bergamotene | 10.81 | 1434 | 0.14 | 8.21* | 1547 | [3.77] |
| Sesquisabinene A | 10.93 | 1443 | 0.06 | 8.89* | 1601 | [0.27] |
| <i>cis</i> - β -Bergamotene? | 10.96 | 1444 | 0.02 | | | |
| α -Humulene | 11.00 | 1447 | 0.14 | 9.01 | 1611 | 0.12 |
| Lavandulyl butyrate? | 11.10 | 1455 | 0.13 | 10.25 | 1712 | 0.12 |
| β -Santalene | 11.15* | 1459 | 3.66 | 8.80 | 1594 | 0.02 |
| (<i>E</i>)- β -Farnesene | 11.15* | 1459 | [3.66] | 9.32* | 1636 | 3.73 |
| Germacrene D | 11.38 | 1476 | 0.48 | 9.52* | 1653 | [2.11] |
| <i>trans</i> - β -Bergamotene | 11.46 | 1482 | 0.06 | 9.32* | 1636 | [3.73] |
| Isodaucene | 11.58 | 1491 | 0.02 | 9.78 | 1674 | 0.03 |
| β -Bisabolene | 11.80 | 1507 | 0.04 | 9.89 | 1682 | 0.06 |
| γ -Cadinene | 11.82 | 1509 | 0.12 | 10.12 | 1701 | 0.12 |
| δ -Cadinene | 11.92 | 1517 | 0.03 | 10.15 | 1704 | 0.02 |
| β -Sesquiphellandrene | 11.98 | 1522 | 0.03 | 10.35 | 1721 | 0.04 |
| Isocaryophyllene epoxide B | 12.27 | 1545 | 0.03 | 11.84 | 1850 | 0.04 |
| (<i>E</i>)-Nerolidol | 12.52 | 1564 | 0.02 | 13.51 | 2004 | 0.01 |
| Caryophyllene oxide | 12.65* | 1574 | 0.29 | 12.47* | 1906 | [0.23] |
| Caryophyllene oxide isomer | 12.65* | 1574 | [0.29] | 12.39 | 1900 | 0.04 |
| τ -Cadinol | 13.42 | 1636 | 0.06 | 14.60 | 2109 | 0.06 |
| (3 <i>Z</i>)-Caryophylla-3,8(13)-dien-5 β -ol | 13.80 | 1668 | 0.02 | 16.48 | 2302 | 0.03 |
| <i>cis</i> -14-nor-Muurool-5-en-4-one? | 13.90 | 1676 | 0.01 | 15.39 | 2189 | 0.01 |
| Total identified | | 98.59% | | | 98.23% | |
| Total reported | | 98.74% | | | 98.29% | |

*: Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not 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