

Date : January 4, 2021

CERTIFICATE OF ANALYSIS – GC PROFILING

SAMPLE IDENTIFICATION

Internal code : 20L08-PTH06

Customer identification : Turmeric CO2 ORGANIC - TK0109203R

Type : CO2 extract

Source : *Curcuma longa*

Customer : Plant Therapy

ANALYSIS

Method: Dilution of a known amount with an appropriate solvent, and addition of a methyl octanoate internal standard for quantitation. Application of a correction factor¹. Analysis with PC-MAT-004 - Terpenes and volatiles profiling by response factor (in French); identifications validated by GC-MS.

Analyst : Sylvain Mercier, M. Sc., Chimiste

Analysis date : December 10, 2020

Checked and approved by :

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

Notes: This report may not be published, including online, without the written consent from Laboratoire PhytoChemia. 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 of the version first issued on December 14, 2020 to correct a mistake in the lot number.

REFERENCE

(1) Cachet, T.; Brevard, H.; Chaintreau, A.; Demyttenaere, J.; French, L.; Gassenmeier, K.; Joulain, D.; Koenig, T.; Leijts, H.; Liddle, P.; et al. IOFI Recommended Practice for the Use of Predicted Relative-Response Factors for the Rapid Quantification of Volatile Flavouring Compounds by GC-FID. *Flavour Fragr. J.* 2016, 31 (3), 191–194.

PHYSICOCHEMICAL DATA

Physical aspect: Very bright yellow liquid

Refractive index: 1.5149 ± 0.0003 (20 °C; method PC-MAT-016)

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

ANALYSIS SUMMARY

| Identification | (mg/g) | % of total volatiles | Classe |
|--|--------|----------------------|--------------------------|
| α-Pinene | 0.78 | 0.08 | Monoterpene |
| Camphene | 0.08 | 0.01 | Monoterpene |
| β-Pinene | 0.22 | 0.02 | Monoterpene |
| Myrcene | 0.59 | 0.06 | Monoterpene |
| α-Phellandrene | 7.56 | 0.82 | Monoterpene |
| Δ ³ -Carene | 0.34 | 0.04 | Monoterpene |
| α-Terpinene | 0.26 | 0.03 | Monoterpene |
| para-Cymene | 6.30 | 0.69 | Monoterpene |
| Limonene | 1.28 | 0.14 | Monoterpene |
| 1,8-Cineole | 12.96 | 1.41 | Monoterpenic ether |
| γ-Terpinene | 0.36 | 0.04 | Monoterpene |
| Terpinolene | 1.22 | 0.13 | Monoterpene |
| Linalool | 0.50 | 0.05 | Monoterpenic alcohol |
| cis-para-Menth-2-en-1-ol | 0.22 | 0.02 | Monoterpenic alcohol |
| δ-Terpineol | 0.24 | 0.03 | Monoterpenic alcohol |
| Terpinen-4-ol | 0.68 | 0.07 | Monoterpenic alcohol |
| 4-Methylacetophenone | 0.22 | 0.02 | Simple phenolic |
| para-Cymen-8-ol | 0.75 | 0.08 | Monoterpenic alcohol |
| α-Terpineol | 1.06 | 0.12 | Monoterpenic alcohol |
| cis-α-Phellandrene epoxide (IPP vs Me) | 1.16 | 0.13 | Monoterpenic ether |
| Unknown | 0.25 | 0.03 | Monoterpenic ester |
| Thymol | 0.52 | 0.06 | Monoterpenic alcohol |
| Carvacrol | 0.52 | 0.06 | Monoterpenic alcohol |
| para-Menth-5-en-1,2-diol isomer III | 1.26 | 0.14 | Monoterpenic alcohol |
| Unknown | 0.22 | 0.02 | Terpene derivative |
| Unknown | 0.30 | 0.03 | Terpene derivative |
| Unknown | 1.18 | 0.13 | Unknown |
| Unknown | 0.43 | 0.05 | Sesquiterpene |
| (Z?)-Vestitenone, or analog | 0.77 | 0.08 | Terpenic ketone |
| β-Caryophyllene | 2.00 | 0.22 | Sesquiterpene |
| (E)-Vestitenone | 1.07 | 0.12 | Terpenic ketone |
| Unknown | 3.75 | 0.41 | Unknown |
| α-Humulene | 0.46 | 0.05 | Sesquiterpene |
| Unknown | 1.22 | 0.13 | Sesquiterpene |
| (E)-β-Farnesene | 1.42 | 0.15 | Sesquiterpene |
| β-Acoradiene | 0.30 | 0.03 | Sesquiterpene |
| γ-Curcumene | 0.87 | 0.09 | Sesquiterpene |
| ar-Curcumene | 18.22 | 1.98 | Sesquiterpene |
| trans-β-Bergamotene | 0.39 | 0.04 | Sesquiterpene |
| Unknown | 0.74 | 0.08 | Sesquiterpene |
| α-Zingiberene | 9.29 | 1.01 | Sesquiterpene |
| β-Bisabolene | 3.67 | 0.40 | Sesquiterpene |
| β-Curcumene | 0.62 | 0.07 | Sesquiterpene |
| Unknown | 0.60 | 0.07 | Oxygenated sesquiterpene |
| Unknown | 0.24 | 0.03 | Oxygenated sesquiterpene |
| β-Sesquiphellandrene | 18.42 | 2.00 | Sesquiterpene |
| Unknown | 2.07 | 0.23 | Sesquiterpene |

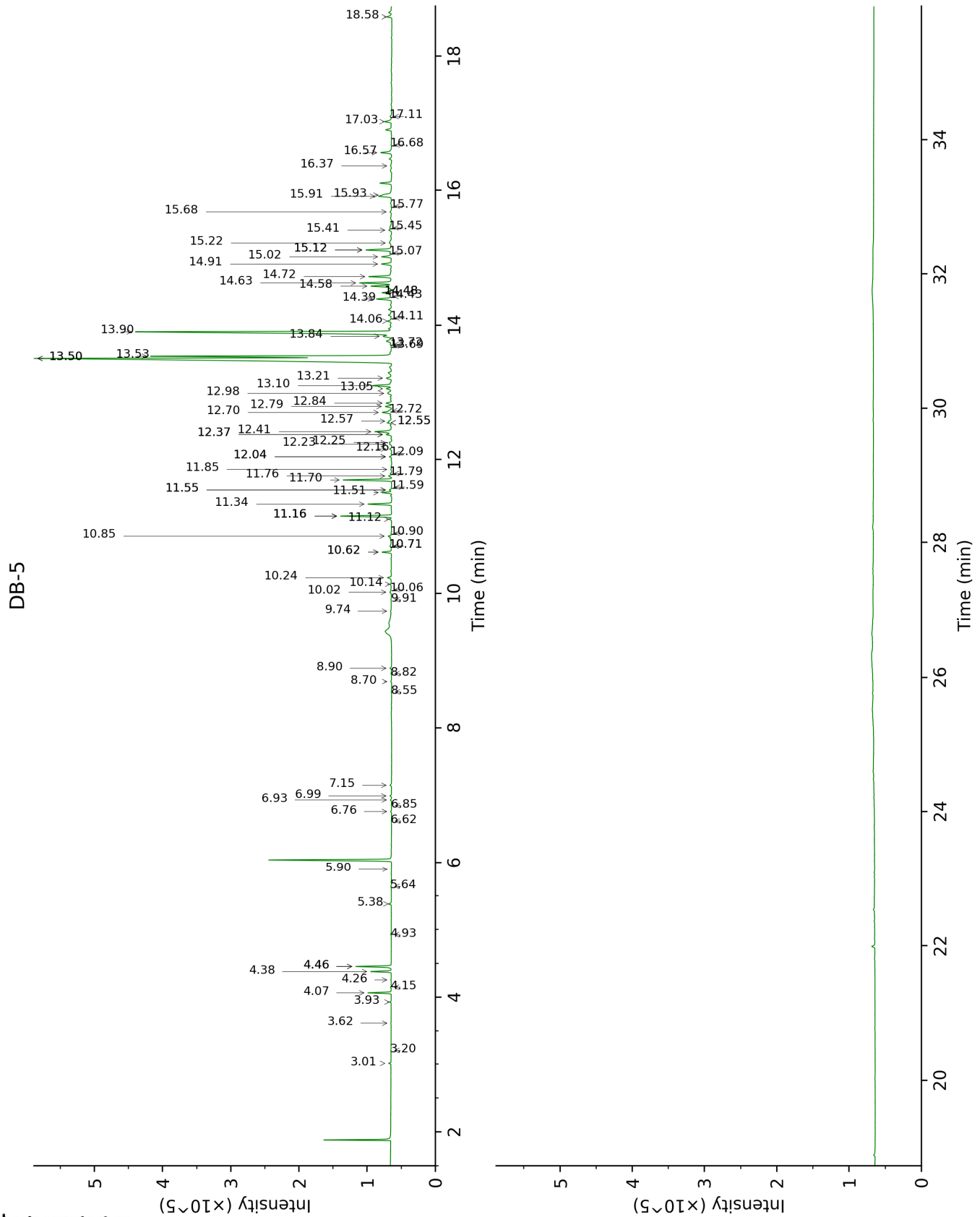
| | | | |
|--------------------------------------|--------|-------|--------------------------|
| Selina-4(15),7(11)-diene | 0.66 | 0.07 | Sesquiterpene |
| Selina-3,7(11)-diene | 0.56 | 0.06 | Sesquiterpene |
| Unknown | 0.95 | 0.10 | Sesquiterpene |
| Germacrene B | 0.24 | 0.03 | Sesquiterpene |
| <i>cis</i> -Sesquisabinene hydrate | 0.30 | 0.03 | Sesquiterpenic alcohol |
| Unknown | 1.40 | 0.15 | Oxygenated sesquiterpene |
| Unknown | 1.35 | 0.15 | Unknown |
| (<i>E</i>)-Nerolidol | 1.13 | 0.12 | Sesquiterpenic alcohol |
| Unknown | 2.27 | 0.25 | Oxygenated sesquiterpene |
| Caryophyllene oxide | 0.69 | 0.08 | Sesquiterpenic ether |
| <i>ar</i> -Turmerol | 8.94 | 0.97 | Sesquiterpenic alcohol |
| <i>trans</i> -Sesquisabinene hydrate | 1.67 | 0.18 | Sesquiterpenic alcohol |
| Unknown | 0.88 | 0.10 | Oxygenated sesquiterpene |
| <i>ar</i> -Dihydroturmerone | 1.45 | 0.16 | Sesquiterpenic ketone |
| Unknown | 6.62 | 0.72 | Oxygenated sesquiterpene |
| Unknown | 1.46 | 0.16 | Oxygenated sesquiterpene |
| Unknown | 3.99 | 0.43 | Oxygenated sesquiterpene |
| <i>cis</i> -Zingiberenol | 3.16 | 0.34 | Sesquiterpenic alcohol |
| Unknown | 4.17 | 0.45 | Oxygenated sesquiterpene |
| Unknown | 3.77 | 0.41 | Oxygenated sesquiterpene |
| <i>trans</i> -Zingiberenol | 9.87 | 1.07 | Sesquiterpenic alcohol |
| Unknown | 4.21 | 0.46 | Oxygenated sesquiterpene |
| <i>ar</i> -Turmerone | 267.53 | 29.10 | Sesquiterpenic ketone |
| Unknown | 23.60 | 2.57 | Oxygenated sesquiterpene |
| α -Turmerone | 113.03 | 12.30 | Sesquiterpenic ketone |
| Unknown | 0.68 | 0.07 | Oxygenated sesquiterpene |
| Unknown | 1.11 | 0.12 | Unknown |
| Unknown | 6.61 | 0.72 | Oxygenated sesquiterpene |
| β -Turmerone | 145.47 | 15.82 | Sesquiterpenic ketone |
| (<i>Z</i>)- α -Atlantone | 2.49 | 0.27 | Sesquiterpenic ketone |
| Curcuphenol | 0.21 | 0.02 | Sesquiterpenic alcohol |
| (6 <i>S</i> ,7 <i>R</i>)-Bisabolone | 7.83 | 0.85 | Sesquiterpenic ketone |
| Unknown | 0.99 | 0.11 | Oxygenated sesquiterpene |
| Unknown | 5.27 | 0.57 | Unknown |
| Xanthorizzhol? | 1.27 | 0.14 | Sesquiterpenic alcohol |
| Unknown | 12.10 | 1.32 | Oxygenated sesquiterpene |
| Unknown | 18.50 | 2.01 | Oxygenated sesquiterpene |
| (<i>E</i>)- α -Atlantone | 11.21 | 1.22 | Sesquiterpenic ketone |
| Unknown | 6.72 | 0.73 | Oxygenated sesquiterpene |
| Unknown | 6.60 | 0.72 | Oxygenated sesquiterpene |
| Unknown | 1.37 | 0.15 | Oxygenated sesquiterpene |
| Unknown | 9.22 | 1.00 | Oxygenated sesquiterpene |
| Unknown | 6.63 | 0.72 | Unknown |
| Unknown | 1.82 | 0.20 | Oxygenated sesquiterpene |
| Unknown | 1.85 | 0.20 | Oxygenated sesquiterpene |
| Unknown | 1.11 | 0.12 | Oxygenated sesquiterpene |
| Unknown | 1.25 | 0.14 | Oxygenated sesquiterpene |
| Unknown | 0.35 | 0.04 | Oxygenated sesquiterpene |
| Unknown | 9.25 | 1.01 | Oxygenated sesquiterpene |
| Unknown | 5.08 | 0.55 | Unknown |
| Unknown | 1.38 | 0.15 | Oxygenated sesquiterpene |
| Unknown | 8.19 | 0.89 | Oxygenated sesquiterpene |

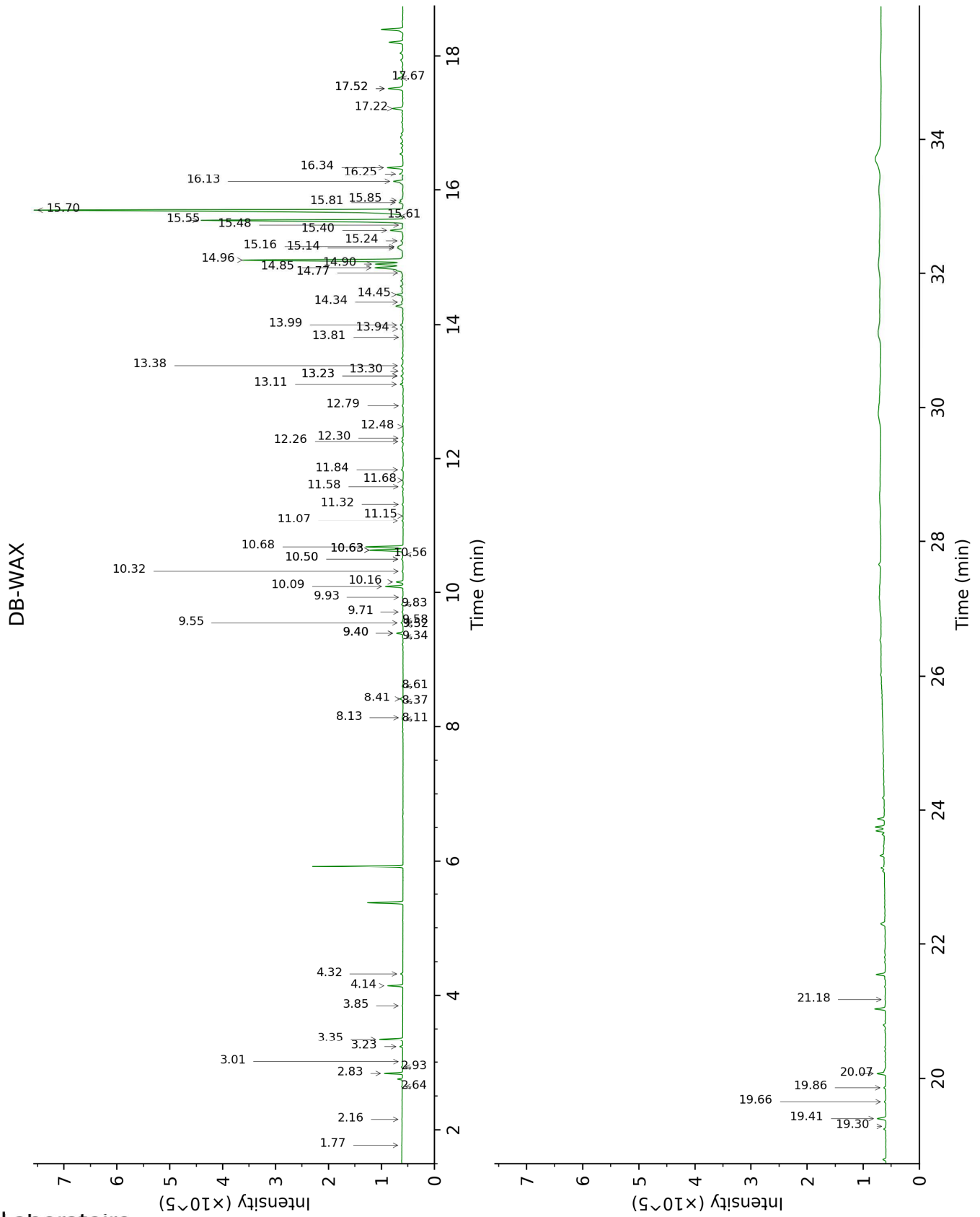
| | | | |
|---------------------------|--------------------|---------------|--------------------------|
| Unknown | 0.50 | 0.05 | Oxygenated sesquiterpene |
| Unknown | 5.76 | 0.63 | Oxygenated sesquiterpene |
| Unknown | 1.38 | 0.15 | Oxygenated sesquiterpene |
| Unknown | 3.57 | 0.39 | Oxygenated sesquiterpene |
| Consolidated total | 857.25 mg/g | 93.26% | |

Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).
Unknown compounds are expressed in equivalents of internal standard without correction.

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.





FULL ANALYSIS DATA

| Identification | Column DB-5 | | | Column DB-WAX | | |
|--|-------------|------|---------|---------------|------|--------|
| | R.T | R.I | mg/g | R.T | R.I | mg/g |
| α -Pinene | 3.01 | 932 | 0.78 | 1.45 | 998 | 0.68 |
| Camphene | 3.20 | 945 | 0.08 | 1.78 | 1031 | 0.07 |
| β -Pinene | 3.62 | 972 | 0.22 | 2.16 | 1069 | 0.20 |
| Myrcene | 3.93 | 993 | 0.59 | 2.93 | 1135 | 0.54 |
| α -Phellandrene | 4.06 | 1002 | 7.56 | 2.84 | 1127 | 7.54 |
| Δ^3 -Carene | 4.15 | 1007 | 0.34 | 2.64 | 1112 | 0.25 |
| α -Terpinene | 4.26 | 1014 | 0.26 | 3.01 | 1141 | 0.24 |
| para-Cymene | 4.38 | 1022 | 6.30 | 4.14 | 1227 | 6.44 |
| Limonene | 4.46* | 1027 | 12.77 | 3.23 | 1158 | 1.28 |
| 1,8-Cineole | 4.46* | 1027 | [14.51] | 3.35 | 1168 | 12.96 |
| γ -Terpinene | 4.93 | 1056 | 0.36 | 3.85 | 1206 | 0.38 |
| Terpinolene | 5.38 | 1085 | 1.22 | 4.32 | 1240 | 1.12 |
| Linalool | 5.64 | 1101 | 0.50 | 8.13 | 1518 | 0.60 |
| cis-para-Menth-2-en-1-ol | 5.90 | 1118 | 0.22 | 8.11 | 1517 | 0.30 |
| δ -Terpineol | 6.62 | 1165 | 0.24 | 9.52 | 1627 | 0.31 |
| Terpinen-4-ol | 6.76 | 1174 | 0.68 | 8.61 | 1555 | 0.59 |
| 4-Methylacetophenone | 6.85 | 1179 | 0.22 | 10.50* | 1706 | 1.02 |
| para-Cymen-8-ol | 6.93 | 1185 | 0.75 | 11.58 | 1798 | 0.99 |
| α -Terpineol | 6.99 | 1189 | 1.06 | 9.83 | 1652 | 1.01 |
| cis- α -Phellandrene epoxide (IPP vs Me) | 7.15 | 1199 | 1.16 | 11.07 | 1755 | 0.95 |
| Unknown [m/z 93, 43 (60), 108 (58), 69 (36), 41 (35)... 150 (5), 184 (1)] | 8.55 | 1294 | 0.25 | 13.23* | 1945 | 2.06 |
| Thymol | 8.70 | 1305 | 0.52 | 15.16† | 2129 | [8.83] |
| Carvacrol | 8.82 | 1308 | 0.52 | 15.48 | 2160 | 0.48 |
| para-Menth-5-en-1,2-diol isomer III | 8.90 | 1314 | 1.26 | 15.24 | 2137 | 2.11 |
| Unknown [m/z 119, 161 (36), 43 (33), 176 (26), 91 (24), 105 (22)] | 9.74 | 1374 | 0.22 | 12.48 | 1876 | 0.27 |
| Unknown [m/z 43, 105 (50), 120 (40), 145 (36), 119 (33), 93 (30)... 176 (6)] | 9.91 | 1386 | 0.30 | 11.68 | 1807 | 0.65 |
| Unknown [m/z 71, 100 (92), 111 (79), 69 (46), 109 (45)...] | 10.02 | 1394 | 1.18 | 17.22 | 2341 | 9.03 |
| Unknown [m/z 119, 93 (83), 91 (51), 77 (32), 41 (31)... 202 (16)] | 10.06 | 1397 | 0.43 | 8.37 | 1537 | 0.57 |
| (Z?)-Vestitenone, or analog | 10.14 | 1403 | 0.77 | 11.84 | 1820 | 1.15 |
| β -Caryophyllene | 10.24 | 1410 | 2.00 | 8.41 | 1540 | 1.86 |

| | | | | | | |
|--|--------|------|---------|--------|------|---------|
| (E)-Vestitenone | 10.62* | 1438 | 4.33 | 12.26 | 1857 | 1.07 |
| Unknown [m/z 91, 129 (98), 143 (94), 185 (81), 200 (76)...] | 10.62* | 1438 | [4.99] | | | |
| α-Humulene | 10.71* | 1445 | 1.38 | 9.34 | 1612 | 0.46 |
| Unknown [m/z 69, 91 (78), 109 (54), 202 (43), 41 (36), 120 (34)] | 10.71* | 1445 | [1.84] | 9.40* | 1617 | 4.99 |
| (E)-β-Farnesene | 10.85 | 1456 | 1.42 | 9.55 | 1629 | 1.17 |
| β-Acoradiene | 10.90 | 1460 | 0.30 | 9.40* | 1617 | [3.75] |
| γ-Curcumene | 11.12 | 1476 | 0.87 | 9.71 | 1642 | 0.74 |
| ar-Curcumene | 11.16* | 1479 | 18.56 | 10.68 | 1722 | 18.22 |
| trans-β-Bergamotene | 11.16* | 1479 | [19.72] | 9.58 | 1632 | 0.39 |
| Unknown [m/z 95, 119 (77), 91 (72), 105 (64), 202 (63), 93 (61), 145 (57), 131 (56)] | 11.16* | 1479 | [26.25] | 9.93 | 1660 | 0.74 |
| α-Zingiberene | 11.34 | 1493 | 9.29 | 10.09 | 1673 | 9.15 |
| β-Bisabolene | 11.51 | 1506 | 3.67 | 10.16 | 1678 | 3.76 |
| β-Curcumene | 11.55* | 1509 | 1.07 | 10.32 | 1691 | 0.62 |
| Unknown [m/z 93, 91 (62), 119 (57), 105 (44), 43 (43)... 220? (1)] | 11.55* | 1509 | [1.42] | | | |
| Unknown [m/z 121, 93 (56), 91 (12), 94 (11), 122 (10)...220] | 11.59 | 1512 | 0.24 | 13.38 | 1959 | 2.46 |
| β-Sesquiphellandrene | 11.70 | 1520 | 18.42 | 10.63* | 1718 | 18.49 |
| Unknown [m/z 91, 79 (97), 119 (91), 105 (75), 159 (65), 93 (61)...202(14)] | 11.76 | 1525 | 2.07 | 11.32 | 1776 | 0.83 |
| Selina-4(15),7(11)-diene | 11.79 | 1528 | 0.66 | 10.56 | 1712 | 0.37 |
| Selina-3,7(11)-diene | 11.85 | 1533 | 0.56 | 10.63* | 1718 | [18.49] |
| Unknown [m/z 91, 93 (82), 79 (79), 77 (68), 67 (55), 41 (49)... 202 (12)] | 12.04* | 1548 | 1.27 | 10.50* | 1706 | [1.21] |
| Germacrene B | 12.04* | 1548 | [0.95] | 11.15 | 1761 | 0.24 |
| cis-Sesquisabinene hydrate | 12.09 | 1551 | 0.30 | 13.30 | 1952 | 0.94 |
| Unknown [m/z 138, 96 (100), 95 (85), 109 (74), 110 (60), 105 (57)... 220 (10)] | 12.16 | 1557 | 1.40 | 12.30 | 1861 | 1.12 |
| Unknown [m/z 109, 67 (30), 43 (24), 91 (19)...] | 12.23 | 1562 | 1.35 | | | |
| (E)-Nerolidol | 12.25 | 1564 | 1.13 | 13.81 | 1999 | 0.83 |

| | | | | | | |
|---|--------|------|----------|--------|------|--------|
| Unknown [m/z 105, 83 (65), 120 (41), 119 (35), 91 (29), 55 (22)... 218? (t)] | 12.37* | 1573 | 3.37 | 13.11 | 1934 | 2.27 |
| Caryophyllene oxide | 12.37* | 1573 | [2.79] | 12.78 | 1904 | 0.69 |
| ar-Turmerol | 12.41 | 1577 | 8.94 | 15.40 | 2153 | 8.43 |
| trans-Sesquisabinene hydrate | 12.55* | 1587 | 2.39 | 14.34 | 2049 | 1.67 |
| Unknown [m/z 43, 91 (63), 41 (61), 79 (58), 95 (49), 93 (47)... 202 (36)...] | 12.55* | 1587 | [2.92] | | | |
| ar-Dihydroturmerone | 12.57 | 1589 | 1.45 | 13.99 | 2016 | 2.33 |
| Unknown [m/z 119, 132 (17), 91 (12), 120 (10), 117 (9)... 216? (2)] | 12.70 | 1599 | 6.62 | 14.85 | 2098 | 31.58 |
| Unknown [m/z 94, 79 (81), 91 (44), 43 (40), 125 (34), 77 (33), 93 (30)... 218 (11)] | 12.72 | 1601 | 1.46 | 13.23* | 1945 | [2.06] |
| Unknown [m/z 43, 93 (88), 91 (76), 79 (73), 69 (64), 41 (63), 95 (53).. 220 (3)] | 12.79 | 1606 | 3.99 | 17.52* | 2373 | 13.63 |
| cis-Zingiberenol | 12.84 | 1610 | 3.16 | 14.45 | 2059 | 4.21 |
| Unknown [m/z 119, 85 (92), 105 (37), 120 (36), 91 (28)... 218 (6)] | 12.98 | 1622 | 4.17 | 16.24 | 2238 | 3.71 |
| Unknown [m/z 120, 91 (29), 43 (25), 93 (23), 77 (21)... 218 (1)] | 13.05 | 1628 | 3.77 | 13.94 | 2011 | 1.56 |
| trans-Zingiberenol | 13.10 | 1632 | 9.87 | 15.14† | 2127 | 8.95 |
| Unknown [m/z 83, 109 (45), 43 (43), 55 (36), 41 (35)... 220 (3)] | 13.21 | 1641 | 4.21 | 15.85 | 2198 | 2.73 |
| ar-Turmerone | 13.50* | 1665 | 272.79 | 15.70 | 2183 | 267.53 |
| Unknown [m/z 105, 119 (63), 120 (45), 83 (44), 91 (16)...218 (9)] | 13.50* | 1665 | [345.33] | 14.90 | 2103 | 23.60 |
| α-Turmerone | 13.53 | 1668 | 113.03 | 14.96 | 2109 | 107.32 |
| Unknown [m/z 69, 41 (90), 123 (74), 122 (51)... 206 (14), 218 (2)] | 13.69 | 1681 | 0.68 | 15.81 | 2194 | 3.18 |
| Unknown [m/z 120, 85 (26), 125 (22), 91 (19), 105 (17), 121 (15)...] | 13.72 | 1683 | 1.11 | | | |
| Unknown [m/z 199, 132 (99), 59 (25), 91 | 13.84 | 1693 | 6.61 | 17.67 | 2390 | 4.56 |

| | | | | | | |
|--|--------|------|---------|--------|------|---------|
| (20), 117 (19), 43 (14)... 216? (6)] | | | | | | |
| β-Turmerone | 13.90 | 1699 | 145.47 | 15.55 | 2168 | 140.54 |
| (Z)-α-Atlantone | 14.06 | 1712 | 2.49 | 15.61 | 2174 | 1.64 |
| Curcuphenol | 14.11 | 1716 | 0.21 | 19.30 | 2572 | 0.20 |
| (6S,7R)-Bisabolone | 14.39 | 1741 | 7.83 | 16.13 | 2227 | 6.00 |
| Unknown [m/z 120, 91 (22), 59 (20), 121 (19), 105 (15)... 218 (1)] | 14.43 | 1744 | 0.99 | 14.77 | 2090 | 1.13 |
| Unknown [m/z 83, 105 (81), 93 (74), 120 (71), 109 (65), 91 (58)...] | 14.48* | 1749 | 6.90 | | | |
| Xanthorizzhol? | 14.48* | 1749 | [5.38] | 19.86 | 2639 | 1.27 |
| Unknown [m/z 83, 55 (21), 43 (13), 41 (9), 91 (8)... 234? (1)] | 14.58 | 1757 | 12.10 | 17.52* | 2373 | [13.63] |
| Unknown [m/z 119, 83 (30), 91 (14), 120 (11), 114 (9)... 234 (1)] | 14.63 | 1761 | 18.50 | | | |
| (E)-α-Atlantone | 14.72 | 1770 | 11.21 | 16.34 | 2248 | 10.29 |
| Unknown [m/z 95, 136 (77), 83 (68), 125 (55), 109 (40), 110 (39)... 234 (7)] | 14.91 | 1786 | 6.72 | 19.41 | 2586 | 7.22 |
| Unknown [m/z 83, 120 (39), 121 (38), 119 (30), 123 (29), 55 (19)...218 (5)] | 15.02 | 1795 | 6.60 | | | |
| Unknown [m/z 83, 93 (61), 55 (24), 94 (24), 43 (22), 91 (19)... 234? (1)] | 15.07 | 1800 | 1.37 | | | |
| Unknown [m/z 69, 43 (95), 41 (84), 109 (78), 95 (54), 93 (49)... 177 (36), 220 (2)...] | 15.12* | 1804 | 15.85 | 20.07 | 2664 | 9.22 |
| Unknown [m/z 83, 121 (74), 114 (74), 93 (40), 55 (20), 91 (20)...] | 15.12* | 1804 | [15.85] | | | |
| Unknown [m/z 83, 119 (56), 95 (53), 234 (32), 91 (30)] | 15.22 | 1813 | 1.82 | 19.66 | 2615 | 1.38 |
| Unknown [m/z 83, 136 (51), 43 (46), 109 (29), 55 (26), 119 (22)...234 (1)] | 15.41 | 1830 | 1.85 | | | |
| Unknown [m/z 83, 136 (36), 55 (26), 109 | 15.44 | 1834 | 1.11 | | | |

| | | | | | | |
|---|-------|------|------|-------|------|------|
| (21), 79 (17), 43 (16)... 232 (11)] Unknown [m/z 83, 107 (37), 43 (32), 135 (30), 55 (27)...] | 15.68 | 1855 | 1.25 | | | |
| Unknown [m/z 118, 83 (68), 55 (25), 117 (20), 43 (16)... 232 (1)] | 15.76 | 1862 | 0.35 | 21.18 | 2799 | 0.43 |
| Unknown [m/z 83, 43 (24), 55 (21), 109 (15), 135 (14)... 232 (1)] | 15.91 | 1876 | 9.25 | | | |
| Unknown [m/z 118, 83 (89), 135 (58), 117 (20), 55 (19), 136 (18)...] | 15.93 | 1877 | 5.08 | | | |
| Unknown [m/z 83, 55 (15), 43 (14), 91 (8)... 232 (1)] | 16.37 | 1918 | 1.38 | | | |
| Unknown [m/z 83, 149 (24), 135 (24), 55 (24), 43 (13)... 232 (3)] | 16.57 | 1937 | 8.19 | | | |
| Unknown [m/z 83, 55 (18), 43 (14), 84 (6)... 232 (t)] | 16.68 | 1948 | 0.50 | | | |
| Unknown [m/z 83, 55 (22), 43 (22), 119 (19), 41 (10)...] | 17.03 | 1980 | 5.76 | | | |
| Unknown [m/z 83, 43 (22), 55 (20), 98 (14), 119 (14)...] | 17.10 | 1987 | 1.38 | | | |
| Unknown [m/z 83, 55 (18), 43 (16), 98 (11)...] | 18.58 | 2134 | 3.57 | | | |

*: 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

Individual compounds contents were corrected following the method of Cachet et al., 2016 (Flavour and Fragrance Journal guidelines).

Unknown compounds are expressed in equivalents of internal standard without correction.

R.T.: Retention time (minutes)

R.I.: Retention index