

**Date :** February 02, 2023

**CERTIFICATE OF ANALYSIS – GC PROFILING**

*SAMPLE IDENTIFICATION*

**Internal code :** 23A27-PTH01

**Customer identification :** Sandalwood ORGANIC - Australia - SW0105R

**Type :** Essential oil

**Source :** *Santalum spicatum*

**Customer :** Plant Therapy

*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 :** February 01, 2023

Checked and approved by :

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

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*PHYSICOCHEMICAL DATA*

**Physical aspect:** Light yellow liquid

**Refractive index:**  $1.5065 \pm 0.0003$  (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                    |
|---|------|--------------------------|
| Santene   | 0.14 | Normonoterpene           |
| Tricyclene  | tr   | Monoterpene              |
| Limonene  | 0.01 | Monoterpene              |
| 4-Methylacetophenone  | 0.01 | Simple phenolic          |
| Unknown   | 0.03 | Terpene derivative       |
| Teresantalic acid   | 0.22 | Monoterpenic acid        |
| Unknown   | 0.06 | Terpenic aldehyde        |
| Tricycloekasantalal   | 0.11 | Terpenic aldehyde        |
| (1S,5S,6R)-2,6-Dimethylbicyclo[3.1.1]hept-2-ene-6-propanal? | 0.06 | Terpenic aldehyde        |
| 7-epi-Sesquithujene   | 0.02 | Sesquiterpene            |
| γ-4-Dimethylbenzenebutyral                                  | 0.08 | Simple phenolic          |
| α-Cedrene   | 0.18 | Sesquiterpene            |
| Sesquithujene   | 0.09 | Sesquiterpene            |
| β-Cedrene   | 0.05 | Sesquiterpene            |
| cis-α-Bergamotene   | 0.02 | Sesquiterpene            |
| α-Santalene   | 0.45 | Sesquiterpene            |
| trans-α-Bergamotene   | 0.17 | Sesquiterpene            |
| Unknown   | 0.02 | Sesquiterpene            |
| epi-β-Santalene   | 0.28 | Sesquiterpene            |
| Geranylacetone  | 0.04 | Monoterpenic ketone      |
| α-Acoradiene  | 0.07 | Sesquiterpene            |
| (E)-β-Farnesene   | 0.07 | Sesquiterpene            |
| β-Santalene   | 0.46 | Sesquiterpene            |
| β-Acoradiene  | 0.03 | Sesquiterpene            |
| 10-epi-β-Acoradiene   | 0.07 | Sesquiterpene            |
| Unknown   | 0.26 | Sesquiterpene            |
| β-Selinene  | 0.04 | Sesquiterpene            |
| γ-Curcumene   | 0.24 | Sesquiterpene            |
| α-Curcumene   | 0.38 | Sesquiterpene            |
| α-Selinene  | 0.04 | Sesquiterpene            |
| Unknown   | 0.07 | Sesquiterpene            |
| Unknown   | 0.17 | Sesquiterpene            |
| Unknown   | 0.06 | Sesquiterpene            |
| β-Bisabolene  | 0.18 | Sesquiterpene            |
| (3E,6E)-α-Farnesene   | 0.06 | Sesquiterpene            |
| α-Alaskene  | 0.01 | Sesquiterpene            |
| β-Curcumene   | 0.49 | Sesquiterpene            |
| β-Sesquiphellandrene  | 0.16 | Sesquiterpene            |
| 8,14-Cedranoxide  | 0.03 | Sesquiterpenic ether     |
| (E)-α-Bisabolene  | 0.08 | Sesquiterpene            |
| (E)-Nerolidol   | 2.27 | Sesquiterpenic alcohol   |
| Unknown   | 0.09 | Oxygenated sesquiterpene |
| Dendrolasin   | 0.85 | Sesquiterpenic ether     |
| Unknown   | 0.01 | Oxygenated sesquiterpene |

|  |       |                          |
|--|-------|--------------------------|
| Helifolen-12-al A                        | 0.16  | Sesquiterpenic aldehyde  |
| $\alpha$ -Cedrol                         | 0.23  | Sesquiterpenic alcohol   |
| Guaiol                                   | 0.20  | Sesquiterpenic alcohol   |
| Helifolen-12-al B                        | 0.09  | Sesquiterpenic aldehyde  |
| Unknown                                  | 0.16  | Oxygenated sesquiterpene |
| Rosifoliol                               | 0.22  | Sesquiterpenic alcohol   |
| $\alpha$ -Acorenol                       | 0.22  | Sesquiterpenic alcohol   |
| $\gamma$ -Eudesmol                       | 0.15  | Sesquiterpenic alcohol   |
| $\beta$ -Acorenol                        | 0.05  | Sesquiterpenic alcohol   |
| 10-epi- $\beta$ -Acorenol?               | 0.29  | Sesquiterpenic alcohol   |
| $\beta$ -Eudesmol                        | 0.10  | Sesquiterpenic alcohol   |
| Unknown                                  | 0.33  | Oxygenated sesquiterpene |
| $\alpha$ -Bisabolol oxide B, epimer 1    | 0.17  | Sesquiterpenic alcohol   |
| $\alpha$ -Bisabolol oxide B, epimer 2    | 0.11  | Sesquiterpenic alcohol   |
| Unknown                                  | 0.76  | Oxygenated sesquiterpene |
| epi- $\beta$ -Bisabolol                  | 0.33  | Sesquiterpenic alcohol   |
| Bulnesol                                 | 0.53  | Sesquiterpenic alcohol   |
| $\beta$ -Bisabolol                       | 2.12  | Sesquiterpenic alcohol   |
| epi-Cyclosantalal                        | 0.79  | Sesquiterpenic aldehyde  |
| (Z)- $\alpha$ -Santalol                  | 14.98 | Sesquiterpenic alcohol   |
| (E)- $\alpha$ -Santalol                  | 0.42  | Sesquiterpenic aldehyde  |
| Cedr-8-en-13-ol                          | 0.38  | Sesquiterpenic alcohol   |
| epi- $\alpha$ -Bisabolol                 | 6.53  | Sesquiterpenic alcohol   |
| (Z)- $\alpha$ - <i>trans</i> -Bergamotol | 3.19  | Sesquiterpenic alcohol   |
| (E)- $\alpha$ -Santalol                  | 0.34  | Sesquiterpenic alcohol   |
| Unknown                                  | 0.51  | Oxygenated sesquiterpene |
| (Z)-epi- $\beta$ -Santalol               | 1.56  | Sesquiterpenic alcohol   |
| (E)- $\alpha$ - <i>trans</i> -Bergamotol | 1.27  | Sesquiterpenic alcohol   |
| (Z)- $\beta$ -Santalol                   | 5.98  | Sesquiterpenic alcohol   |
| Unknown                                  | 0.54  | Oxygenated sesquiterpene |
| (2E,6E)-Farnesol                         | 11.68 | Sesquiterpenic alcohol   |
| (Z)-Nuciferol                            | 9.29  | Sesquiterpenic alcohol   |
| (Z)- $\gamma$ -Curcumen-12-ol            | 6.02  | Sesquiterpenic alcohol   |
| Unknown                                  | 1.34  | Oxygenated sesquiterpene |
| (2E,6E)-Farnesal                         | 0.15  | Sesquiterpenic aldehyde  |
| (E)- $\beta$ -Santalol                   | 0.48  | Sesquiterpenic alcohol   |
| Unknown                                  | 1.12  | Oxygenated sesquiterpene |
| Curcumen-12-ol analog                    | 1.22  | Sesquiterpenic alcohol   |
| Unknown                                  | 1.02  | Oxygenated sesquiterpene |
| (Z)- $\beta$ -Curcumen-12-ol             | 6.99  | Sesquiterpenic alcohol   |
| (Z)-Lanceol                              | 2.76  | Sesquiterpenic alcohol   |
| 12-Hydroxy-(Z)-sesquicineole             | 0.17  | Sesquiterpenic alcohol   |
| Unknown                                  | 0.99  | Oxygenated sesquiterpene |
| Unknown                                  | 0.68  | Oxygenated sesquiterpene |
| Unknown                                  | 0.50  | Unknown                  |
| Unknown                                  | 0.70  | Oxygenated sesquiterpene |
| Unknown                                  | 0.45  | Oxygenated sesquiterpene |
| Unknown                                  | 0.12  | Oxygenated sesquiterpene |
| Unknown                                  | 0.17  | Oxygenated sesquiterpene |
| Unknown                                  | 0.09  | Oxygenated sesquiterpene |
| (2E,6E)-Farnesyl acetate                 | 0.10  | Sesquiterpenic ester     |
| Unknown                                  | 0.21  | Oxygenated sesquiterpene |

|                           |               |                          |
|---------------------------|---------------|--------------------------|
| Unknown                   | 0.06          | Oxygenated sesquiterpene |
| Unknown                   | 0.10          | Oxygenated sesquiterpene |
| <b>Consolidated total</b> | <b>97.35%</b> |                          |

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

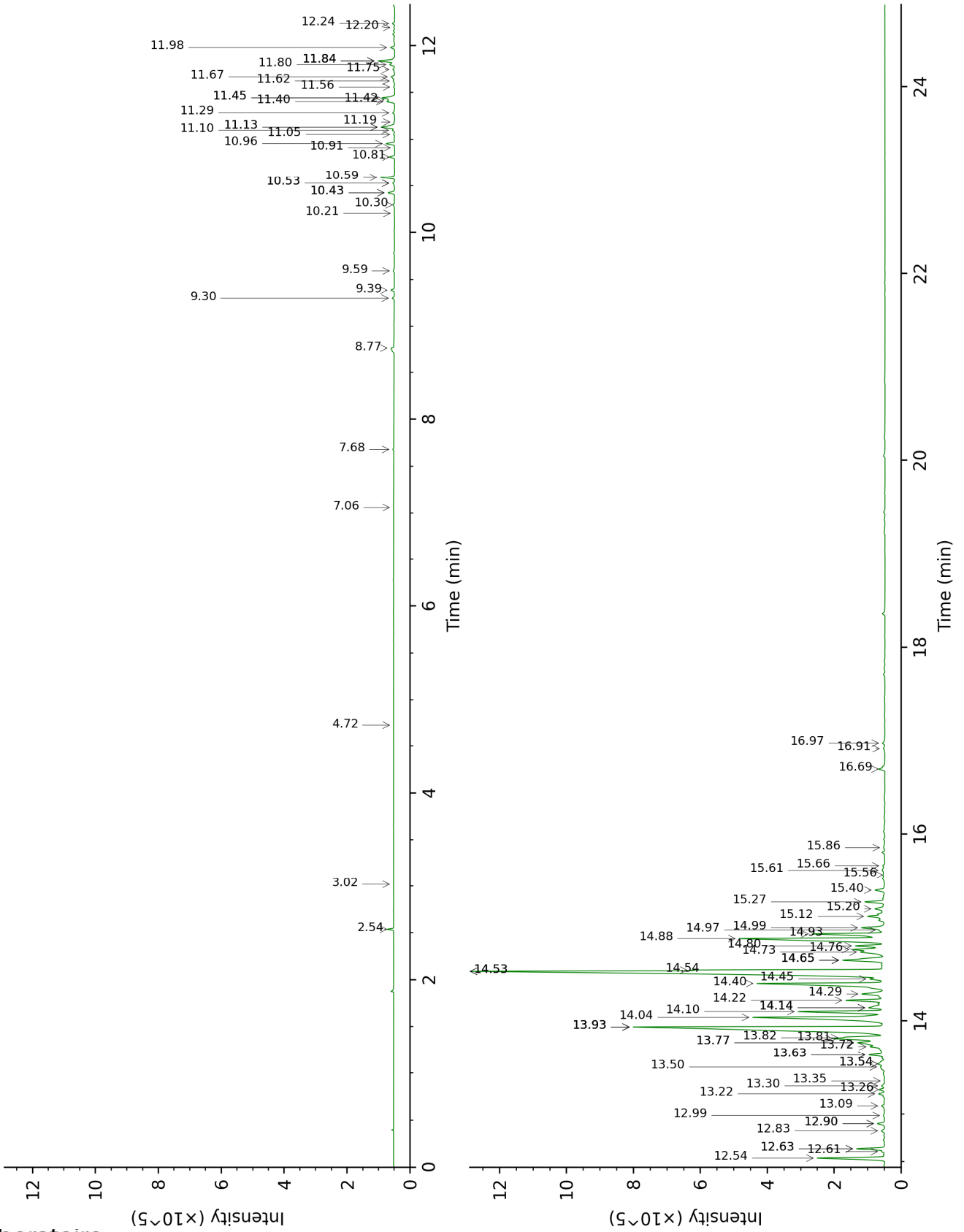
Note: no correction factor was applied

**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.

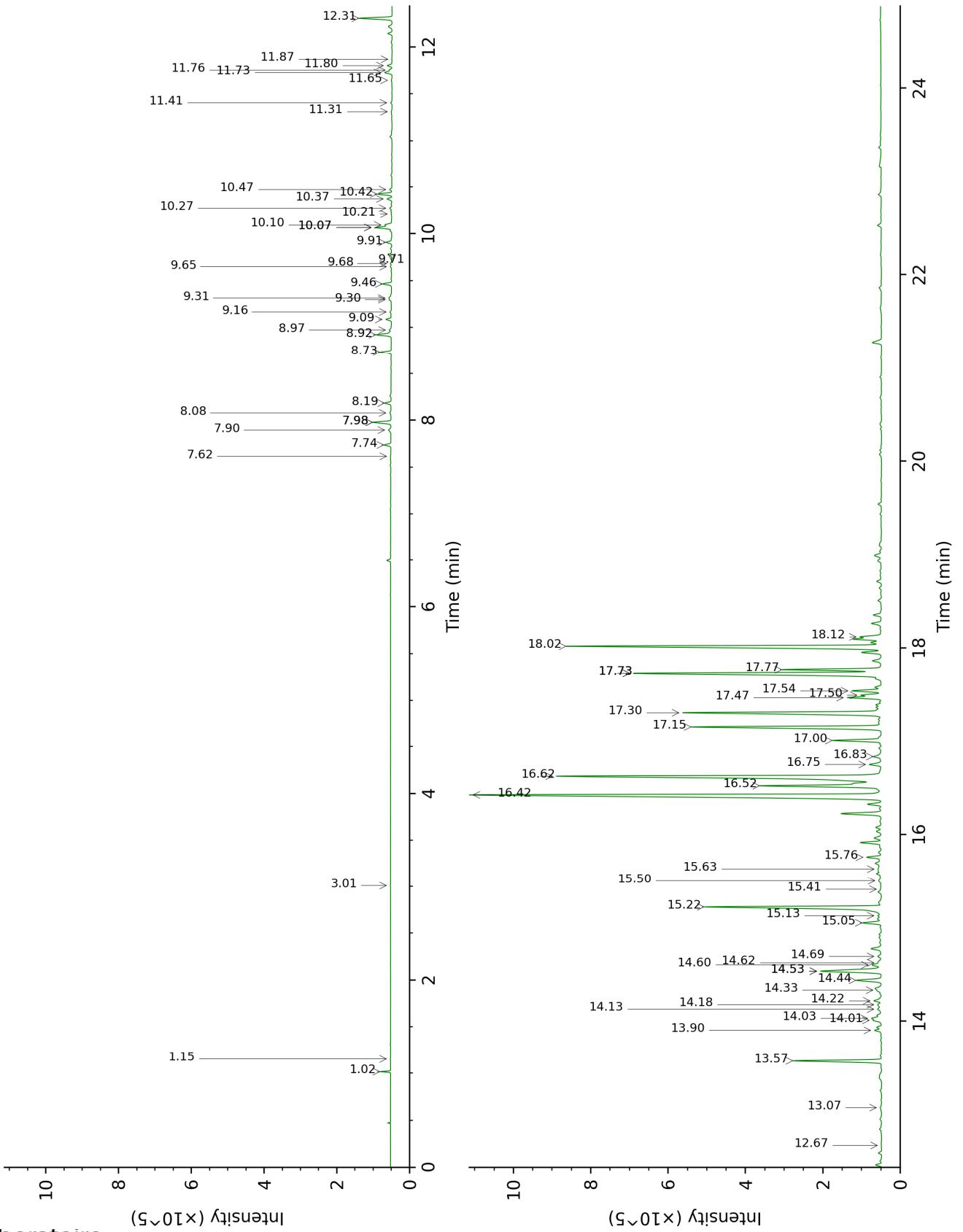
**Unknowns:** Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

This page was intentionally left blank. The following pages present the complete data of the analysis.

DB-5



DB-WAX





FULL ANALYSIS DATA

| Identification  | Column DB-5 |      |        | Column DB-WAX |      |        |
|---|-------------|------|--------|---------------|------|--------|
|   | R.T         | R.I  | %      | R.T           | R.I  | %      |
| Santene   | 2.54        | 882  | 0.14   | 1.02          | 944  | 0.14   |
| Tricyclene  | 3.02        | 918  | tr     | 1.15          | 968  | tr     |
| Limonene  | 4.72        | 1028 | 0.01   | 3.01          | 1155 | tr     |
| 4-Methylacetophenone  | 7.06        | 1175 | 0.01   | 10.21         | 1703 | 0.02   |
| Unknown [m/z 93, 91 (89), 94 (85), 105 (60)... 176? (10)]                                       | 7.68        | 1215 | 0.03   | 8.97          | 1602 | 0.07   |
| Teresantalic acid   | 8.77        | 1288 | 0.22   | 15.50         | 2189 | 0.14   |
| Unknown [m/z 121, 93 (77), 79 (43), 91 (43), 145 (35)... 178 (8)]                               | 9.30        | 1324 | 0.06   |               |      |        |
| Tricycloekasantalal   | 9.39        | 1330 | 0.11   | 10.07*†       | 1690 | 0.66   |
| (1S,5S,6R)-2,6-Dimethylbicyclo[3.1.1]hept-2-ene-6-propanal?                                     | 9.59        | 1345 | 0.06   | 10.10†        | 1693 | [0.66] |
| 7-epi-Sesquithujene   | 10.21       | 1388 | 0.02   | 7.62          | 1496 | 0.02   |
| γ-4-Dimethylbenzenebutyral  | 10.30       | 1394 | 0.08   |               |      |        |
| α-Cedrene   | 10.42*      | 1403 | 0.24   | 7.74          | 1506 | 0.18   |
| Sesquithujene   | 10.42*      | 1403 | [0.24] | 7.90          | 1518 | 0.09   |
| β-Cedrene   | 10.53*      | 1411 | 0.07   | 8.08          | 1532 | 0.05   |
| cis-α-Bergamotene   | 10.53*      | 1411 | [0.07] | 7.98*         | 1524 | 0.49   |
| α-Santalene   | 10.59       | 1416 | 0.45   | 7.98*         | 1524 | [0.49] |
| trans-α-Bergamotene   | 10.81       | 1432 | 0.17   | 8.18          | 1540 | 0.16   |
| Unknown [m/z 93, 91 (80), 79 (68), 123 (68), 121 (56)... 204 (3)]                               | 10.91       | 1440 | 0.02   |               |      |        |
| epi-β-Santalene   | 10.96       | 1443 | 0.28   | 8.73          | 1583 | 0.27   |
| Geranylacetone  | 11.06       | 1450 | 0.04   | 11.41         | 1804 | 0.04   |
| α-Acoradiene  | 11.10       | 1453 | 0.07   | 9.09          | 1611 | 0.14   |
| (E)-β-Farnesene   | 11.13*      | 1456 | 0.59   | 9.30†         | 1628 | 0.14   |
| β-Santalene   | 11.13*      | 1456 | [0.59] | 8.92          | 1598 | 0.46   |
| β-Acoradiene  | 11.19       | 1460 | 0.03   | 9.16          | 1617 | 0.05   |
| 10-epi-β-Acoradiene   | 11.28       | 1467 | 0.07   | 9.31†         | 1630 | [0.14] |
| Unknown [m/z 119, 91 (24), 105 (16), 121 (16), 93 (15), 117 (15), 41 (14), 132 (14)... 204 (4)] | 11.40       | 1476 | 0.26   |               |      |        |
| β-Selinene  | 11.42†      | 1478 | 0.64   | 9.65          | 1657 | 0.04   |
| γ-Curcumene   | 11.44*†     | 1479 | [0.64] | 9.46          | 1642 | 0.24   |
| ar-Curcumene  | 11.44*†     | 1479 | [0.64] | 10.42         | 1721 | 0.38   |
| α-Selinene  | 11.56       | 1488 | 0.04   | 9.68          | 1659 | 0.03   |
| Unknown [m/z 119, 105 (51), 91 (31), 132 (30), 121 (26), 145 (23), 134 (20)... 204 (2)]         | 11.62       | 1492 | 0.07   | 11.80         | 1839 | 0.13   |
| Unknown [m/z 119, 93 (52), 105 (38), 91 (33), 41 (31), 79 (25)... 204 (2)]                      | 11.67       | 1496 | 0.17   | 11.73         | 1833 | 0.23   |

|   |        |      |         |         |      |        |
|---|--------|------|---------|---------|------|--------|
| Unknown [m/z 119, 91 (14), 120 (10), 117 (9)... 200? (2)]                           | 11.75  | 1502 | 0.06    | 11.65   | 1826 | 0.03   |
| β-Bisabolene  | 11.80  | 1506 | 0.18    | 9.91    | 1678 | 0.15   |
| (3E,6E)-α-Farnesene   | 11.84* | 1509 | 0.60    | 10.27   | 1708 | 0.06   |
| α-Alaskene  | 11.84* | 1509 | [0.60]  | 9.71    | 1662 | 0.01   |
| β-Curcumene   | 11.84* | 1509 | [0.60]  | 10.07*† | 1690 | [0.66] |
| β-Sesquiphellandrene  | 11.98  | 1520 | 0.16    | 10.37   | 1716 | 0.14   |
| 8,14-Cedranoxide  | 12.20  | 1537 | 0.03    | 11.31   | 1796 | 0.03   |
| (E)-α-Bisabolene  | 12.24  | 1540 | 0.08    | 10.47   | 1725 | 0.06   |
| (E)-Nerolidol   | 12.54  | 1563 | 2.27    | 13.57   | 2000 | 2.17   |
| Unknown [m/z 43, 125 (78), 107 (43), 132 (34), 67 (31)... 220 (3)]                  | 12.61  | 1569 | 0.09    | 11.76   | 1835 | 0.07   |
| Dendrolasin   | 12.64* | 1571 | 0.90    | 12.31   | 1884 | 0.85   |
| Unknown [m/z 43, 125 (91), 107 (39), 41 (24), 67 (24), 93 (21)... 220 (4)]          | 12.64* | 1571 | [0.90]  | 11.87   | 1845 | 0.01   |
| Helifolen-12-al A   | 12.83  | 1586 | 0.16    | 12.67   | 1917 | 0.01   |
| α-Cedrol  | 12.90* | 1592 | 0.29    | 14.01   | 2042 | 0.23   |
| Guaiol  | 12.90* | 1592 | [0.29]  | 13.90   | 2032 | 0.20   |
| Helifolen-12-al B   | 12.99  | 1599 | 0.09    | 13.07   | 1954 | 0.04   |
| Unknown [m/z 81, 41 (40), 69 (36), 138 (27), 43 (26), 110 (25)... 222 (1)]          | 13.09  | 1607 | 0.16    |         |      |        |
| Rosifoliol  | 13.22  | 1617 | 0.22    | 14.13   | 2054 | 0.17   |
| α-Acorenol  | 13.26  | 1621 | 0.22    | 14.22   | 2062 | 0.28   |
| γ-Eudesmol  | 13.30  | 1624 | 0.15    | 14.69   | 2108 | 0.13   |
| β-Acorenol  | 13.35  | 1628 | 0.05    | 14.62   | 2101 | 0.12   |
| 10-epi-β-Acorenol?  | 13.50  | 1641 | 0.29    |         |      |        |
| β-Eudesmol  | 13.54* | 1643 | 0.43    | 15.13   | 2152 | 0.10   |
| Unknown [m/z 91, 43 (89), 93 (84), 81 (81), 105 (79), 79 (70), 67 (68), 41 (68)...] | 13.54* | 1643 | [0.43]  |         |      |        |
| α-Bisabolol oxide B, epimer 1   | 13.63* | 1651 | 0.58    | 14.18   | 2058 | 0.17   |
| α-Bisabolol oxide B, epimer 2   | 13.63* | 1651 | [0.58]  | 14.33   | 2073 | 0.11   |
| Unknown [m/z 121, 93 (96), 95 (96), 41 (65), 82 (63), 69 (62), 67 (59)... 222 (8)]  | 13.72  | 1659 | 0.76    | 14.03   | 2044 | 0.31   |
| epi-β-Bisabolol   | 13.77* | 1662 | 1.48    | 14.60   | 2099 | 0.33   |
| Bulnesol  | 13.77* | 1662 | [1.48]  | 15.05   | 2144 | 0.53   |
| β-Bisabolol   | 13.81† | 1666 | 2.91    | 14.53*  | 2092 | 2.24   |
| epi-Cyclosantalal   | 13.82† | 1667 | [2.91]  | 14.44   | 2083 | 0.79   |
| (Z)-α-Santalol  | 13.93* | 1676 | 15.78   | 16.42   | 2284 | 14.98  |
| (E)-α-Santalol  | 13.93* | 1676 | [15.78] | 14.53*  | 2092 | [2.24] |
| Cedr-8-en-13-ol   | 13.93* | 1676 | [15.78] | 16.75   | 2319 | 0.38   |
| epi-α-Bisabolol   | 14.04  | 1685 | 6.53    | 15.22   | 2161 | 5.42   |
| (Z)-α-trans-Bergamotol  | 14.10  | 1690 | 3.19    | 16.52   | 2295 | 3.45   |
| (E)-α-Santalol  | 14.14* | 1693 | 0.84    | 16.83   | 2328 | 0.34   |

|  |         |      |         |        |      |        |
|--|---------|------|---------|--------|------|--------|
| Unknown [m/z 43, 93 (68), 41 (61), 69 (58), 125 (54), 107 (50)...]   | 14.14*  | 1693 | [0.84]  |        |      |        |
| (Z)-epi-β-Santalol   | 14.22   | 1700 | 1.56    | 17.00  | 2347 | 1.27   |
| (E)-α-trans-Bergamotol   | 14.29   | 1705 | 1.27    | 17.54  | 2405 | 0.80   |
| (Z)-β-Santalol   | 14.40   | 1715 | 5.98    | 17.15  | 2362 | 5.43   |
| Unknown [m/z 43, 189 (94), 81 (65), 93 (62), 95 (53), 119 (49)... 207 (43)...]                             | 14.45   | 1719 | 0.54    | 15.41  | 2180 | 0.03   |
| (2E,6E)-Farnesol   | 14.53*† | 1726 | 24.94   | 16.62  | 2306 | 11.68  |
| (Z)-Nuciferol  | 14.53*† | 1726 | [24.94] | 18.02  | 2458 | 9.29   |
| (Z)-γ-Curcumen-12-ol   | 14.54†  | 1727 | [24.94] | 17.30  | 2378 | 6.02   |
| Unknown [m/z 91, 93 (65), 79 (57), 105 (49), 119 (47), 121 (44)...218 (1)]                                 | 14.65*  | 1737 | 2.09    | 18.12  | 2469 | 1.34   |
| (2E,6E)-Farnesol   | 14.65*  | 1737 | [2.09]  | 15.63  | 2202 | 0.15   |
| (E)-β-Santalol   | 14.65*  | 1737 | [2.09]  | 17.50  | 2400 | 0.48   |
| Unknown [m/z 119, 93 (73), 110 (64), 111 (62), 95 (50), 81 (45), 109 943), 105 (43)... 220 (17), 238 (20)] | 14.73   | 1744 | 1.12    |        |      |        |
| Curcumen-12-ol analog  | 14.76   | 1746 | 1.22    | 17.47  | 2397 | 0.93   |
| Unknown [m/z 119, 93 (70), 111 (61), 110 (60), 109 (45), 95 (43)... 220 (17), 238 (16)]                    | 14.80   | 1750 | 1.02    |        |      |        |
| (Z)-β-Curcumen-12-ol   | 14.88   | 1756 | 6.99    | 17.73* | 2426 | 7.80   |
| (Z)-Lanceol  | 14.93   | 1761 | 2.76    | 17.77  | 2430 | 2.41   |
| 12-Hydroxy-(Z)-sesquiceneole   | 14.97   | 1764 | 0.17    |        |      |        |
| Unknown [m/z 93, 107 (80), 43 (74), 91 (55), 41 (49), 79 (48), 119 (48)... 236 (3)]                        | 14.99   | 1766 | 0.99    |        |      |        |
| Unknown [m/z 93, 119 (89), 91 (63), 79 (63), 132 (53), 41 (52)... 236 (3)]                                 | 15.12   | 1777 | 0.68    | 17.73* | 2426 | [7.80] |
| Unknown [m/z 159, 43 (40), 202 (21), 91 (19), 79 (18), 131 (17)...]  | 15.20   | 1784 | 0.50    |        |      |        |
| Unknown [m/z 107, 93 (96), 79 (90), 55 (78), 41 (76)... 236 (6)]   | 15.27   | 1790 | 0.70    |        |      |        |
| Unknown [m/z 119, 105 (78), 145 (60), 91 (50), 121 (44), 93 (38)... 216 (7)]                               | 15.40   | 1801 | 0.45    |        |      |        |
| Unknown [m/z 119, 145 (62), 105 (52), 91 (52), 121 (38)...]  | 15.56   | 1816 | 0.12    |        |      |        |
| Unknown [m/z 43, 81 (61), 41 (49), 93 (47), 119 (39), 141 (35)...]   | 15.61   | 1821 | 0.17    |        |      |        |

|  |       |      |               |       |      |               |
|--|-------|------|---------------|-------|------|---------------|
| Unknown [m/z 119, 43 (61), 132 (49), 105 (35), 141 (32)...]                        | 15.66 | 1825 | 0.09          |       |      |               |
| (2E,6E)-Farnesyl acetate   | 15.86 | 1843 | 0.10          | 15.76 | 2216 | 0.45          |
| Unknown [m/z 93, 43 (99), 109 (95), 68 (80), 95 (77), 81 (69), 110 (68)...220 (7)] | 16.69 | 1920 | 0.21          |       |      |               |
| Unknown [m/z 43, 107 (24), 93 (23), 125 (23), 95 (23), 119 (23)...220 (1)]         | 16.91 | 1940 | 0.06          |       |      |               |
| Unknown [m/z 43, 107 (23), 119 (23), 93 (22), 125 (22), 132 (22)...220 (1)]        | 16.97 | 1946 | 0.10          |       |      |               |
| <b>Total identified</b>  |       |      | <b>87.88%</b> |       |      | <b>83.94%</b> |
| <b>Total reported</b>  |       |      | <b>96.31%</b> |       |      | <b>86.16%</b> |

\*: 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