

**Date :** 2025-11-12

**CERTIFICATE OF ANALYSIS - GC PROFILING**

**SAMPLE IDENTIFICATION**

**Internal code :** 25J28-PTH01

**Customer Identification :** Patchouli - Indonesia - P20117R

**Type :** Essential Oil

**Source :** *Pogostemon cablin*

**Customer :** Plant Therapy

Checked and approved by:

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

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*This report is an update of the version first issued on October 30, 2025 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 :** 2025-10-30

## *PHYSICOCHEMICAL DATA*

**Refractive index :**  $1.5087 \pm 0.0003$  (20 °C)

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

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

**Date :** 2025-10-29

## *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                |
|----------------------------------------------------------------------|-------|----------------------|
| 5-Methyl-2-hexanone                                                  | 0.02  | Aliphatic ketone     |
| $\alpha$ -Pinene                                                     | 0.07  | Monoterpene          |
| Sabinene                                                             | 0.01  | Monoterpene          |
| $\beta$ -Pinene                                                      | 0.16  | Monoterpene          |
| Octan-3-one                                                          | 0.01  | Aliphatic ketone     |
| Octan-3-ol                                                           | tr    | Aliphatic alcohol    |
| Limonene                                                             | 0.02  | Monoterpene          |
| Linalool                                                             | 0.01  | Monoterpenic alcohol |
| $\alpha$ -Terpineol                                                  | 0.01  | Monoterpenic alcohol |
| Unknown                                                              | 0.02  | Unknown              |
| $\delta$ -Elemene                                                    | 0.14  | Sesquiterpene        |
| $\alpha$ -Cubebene                                                   | 0.01  | Sesquiterpene        |
| Unknown                                                              | tr    | Sesquiterpene        |
| $\alpha$ -Copaene                                                    | 0.05  | Sesquiterpene        |
| $\beta$ -Patchoulene                                                 | 2.39  | Sesquiterpene        |
| $\beta$ -Bourbonene                                                  | 0.01  | Sesquiterpene        |
| <i>cis</i> - $\beta$ -Elemene                                        | 0.07  | Sesquiterpene        |
| $\beta$ -Elemene                                                     | 1.05  | Sesquiterpene        |
| Cycloseychellene                                                     | 0.56  | Sesquiterpene        |
| Isocaryophyllene                                                     | 0.04  | Sesquiterpene        |
| $\beta$ -Caryophyllene                                               | 3.30  | Sesquiterpene        |
| Seychellene                                                          | 5.58  | Sesquiterpene        |
| $\alpha$ -Guaiene                                                    | 13.99 | Sesquiterpene        |
| Unknown                                                              | 0.05  | Sesquiterpene        |
| $\alpha$ -Humulene                                                   | 0.22  | Sesquiterpene        |
| $\alpha$ -Patchoulene                                                | 5.47  | Sesquiterpene        |
| Patchoulene analog IV (Improperly reported as $\gamma$ -patchoulene) | 0.93  | Sesquiterpene        |
| $\delta$ -patchoulene                                                | 1.45  | Sesquiterpene        |
| 9-epi- $\beta$ -Caryophyllene                                        | 0.02  | Sesquiterpene        |
| Unknown                                                              | 0.43  | Sesquiterpene        |
| Unknown                                                              | 0.43  | Sesquiterpene        |
| Selina-4,11-diene                                                    | 0.20  | Sesquiterpene        |
| $\beta$ -Selinene                                                    | 0.10  | Sesquiterpene        |
| Patchoulene analog II                                                | 0.40  | Sesquiterpene        |
| Unknown                                                              | 0.31  | Sesquiterpene        |
| Unknown                                                              | 0.04  | Sesquiterpene        |
| $\delta$ -Selinene                                                   | 0.21  | Sesquiterpene        |
| $\alpha$ -Selinene                                                   | 0.09  | Sesquiterpene        |
| Eudesma-2,4(15),11-triene                                            | 0.14  | Sesquiterpene        |

|                            |       |                           |
|----------------------------|-------|---------------------------|
| Aciphyllene                | 2.99  | Sesquiterpene             |
| Unknown                    | 0.36  | Sesquiterpene             |
| $\delta$ -Guaiene          | 18.69 | Sesquiterpene             |
| $\gamma$ -Cadinene         | 0.22  | Sesquiterpene             |
| 7-epi- $\alpha$ -Selinene  | 0.23  | Sesquiterpene             |
| Unknown                    | 0.07  | Sesquiterpene             |
| Unknown                    | 0.08  | Oxygenated sesquiterpene  |
| Unknown                    | 0.02  | Oxygenated sesquiterpene  |
| Unknown                    | 0.10  | Oxygenated sesquiterpene  |
| Unknown                    | 0.09  | Oxygenated sesquiterpene  |
| Unknown                    | 0.03  | Oxygenated sesquiterpene  |
| Norpatchoulol              | 0.54  | Norsesquiterpenic alcohol |
| Isocaryophyllene epoxide B | 0.05  | Sesquiterpenic ether      |
| Unknown                    | 0.03  | Oxygenated sesquiterpene  |
| Unknown                    | 0.05  | Oxygenated sesquiterpene  |
| Unknown                    | 0.23  | Oxygenated sesquiterpene  |
| Unknown                    | 0.03  | Oxygenated sesquiterpene  |
| Caryophyllene oxide isomer | 0.08  | Sesquiterpenic ether      |
| Caryophyllene oxide        | 0.29  | Sesquiterpenic ether      |
| Unknown                    | 0.34  | Oxygenated sesquiterpene  |
| Unknown                    | 0.17  | Oxygenated sesquiterpene  |
| Hexadecane                 | 0.02  | Alkane                    |
| Humulene epoxide II        | 0.04  | Sesquiterpenic ether      |
| Unknown                    | 0.09  | Oxygenated sesquiterpene  |
| Unknown                    | 0.21  | Oxygenated sesquiterpene  |
| Unknown                    | 0.23  | Oxygenated sesquiterpene  |
| Unknown                    | 0.64  | Oxygenated sesquiterpene  |
| Hinesol                    | 0.30  | Sesquiterpenic alcohol    |
| Caryophylladienol II       | 0.14  | Sesquiterpenic alcohol    |
| Pogostol                   | 2.06  | Sesquiterpenic alcohol    |
| Patchoulol                 | 29.22 | Sesquiterpenic alcohol    |
| Unknown                    | 0.14  | Oxygenated sesquiterpene  |
| Unknown                    | 0.03  | Oxygenated sesquiterpene  |
| Unknown                    | 0.18  | Oxygenated sesquiterpene  |
| Unknown                    | 0.07  | Oxygenated sesquiterpene  |
| Unknown                    | 0.04  | Oxygenated sesquiterpene  |
| Rotundone                  | 0.25  | Sesquiterpenic ketone     |
| Unknown                    | 0.07  | Oxygenated sesquiterpene  |
| Pogostone                  | 0.79  | Terpenic lactone          |
| Unknown                    | 0.28  | Oxygenated sesquiterpene  |
| Unknown                    | 0.12  | Oxygenated sesquiterpene  |
| Unknown                    | 0.12  | Oxygenated sesquiterpene  |
| Unknown                    | 0.01  | Oxygenated sesquiterpene  |
| Unknown                    | 0.02  | Oxygenated sesquiterpene  |
| Unknown                    | 0.03  | Oxygenated sesquiterpene  |

|                           |              |                          |
|---------------------------|--------------|--------------------------|
| Unknown                   | 0.13         | Oxygenated sesquiterpene |
| Unknown                   | 0.07         | Oxygenated sesquiterpene |
| Unknown                   | 0.02         | Oxygenated sesquiterpene |
| Unknown                   | 0.03         | Oxygenated sesquiterpene |
| Unknown                   | 0.03         | Oxygenated sesquiterpene |
| Unknown                   | 0.04         | Oxygenated sesquiterpene |
| Unknown                   | 0.01         | Oxygenated sesquiterpene |
| Corymbolone analog        | 0.02         | Sesquiterpenic alcohol   |
| Phytol                    | 0.03         | Diterpenic alcohol       |
| <b>Consolidated total</b> | <b>98.19</b> |                          |

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

Note: no correction factor was applied

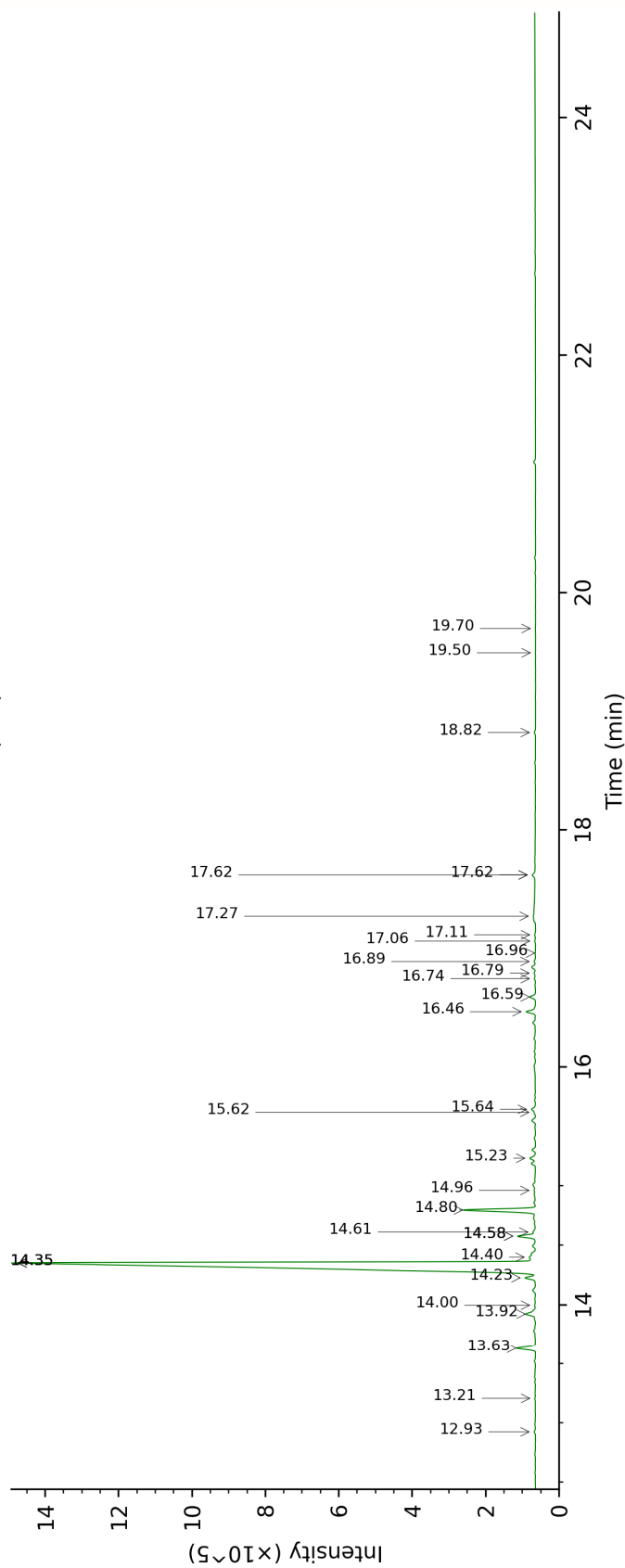
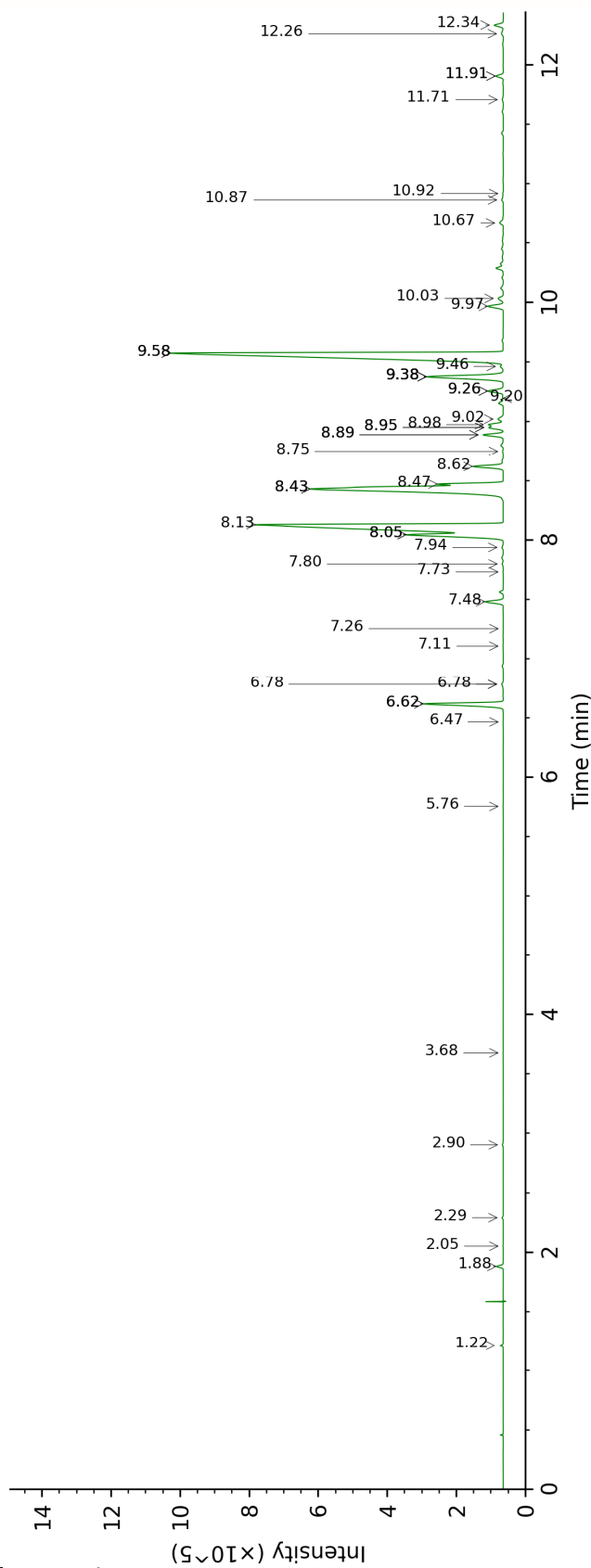
**About "consolidated" data:** The table above presents the breakdown of the sample volatile constituents after applying an algorithm to collapse data acquired from the multi-columns system of PhytoChemia into a single set of consolidated contents. In case of discrepancies between columns, the algorithm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

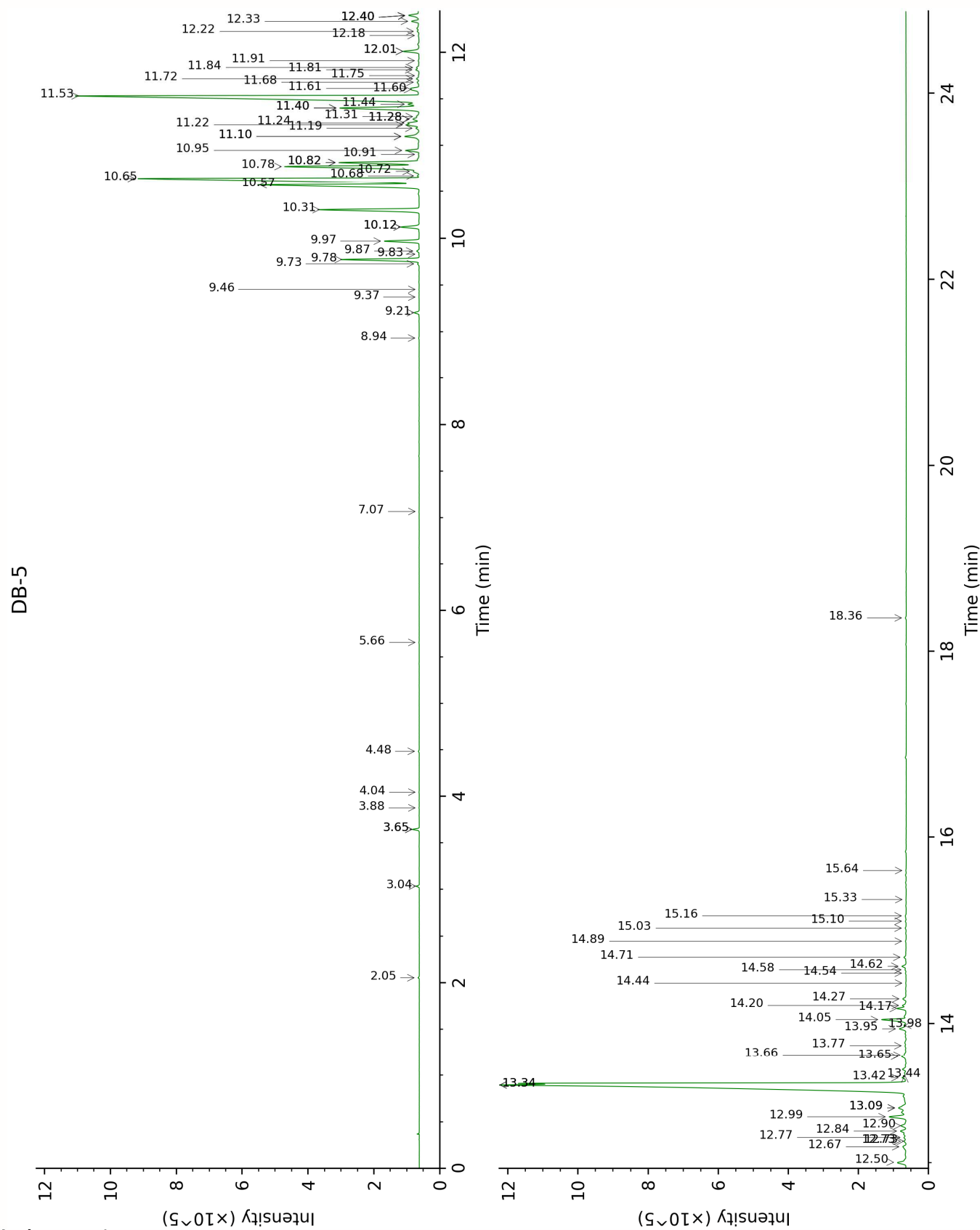
**Unknowns:** Unknown compounds' mass spectral data is presented in the "Full analysis data" table. The occurrence of unknown compounds is to be expected in many samples, and does not denote particular problems unless noted otherwise in the conclusion.

**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.

DB-WAX







FULL ANALYSIS DATA

| 5-Methyl-2-hexanone                                                                              | Column DB-WAX |        |         | Column DB-5 |        |         |
|--------------------------------------------------------------------------------------------------|---------------|--------|---------|-------------|--------|---------|
|                                                                                                  | 2.29          | 1107.0 | 0.03    | 2.05        | 854.8  | 0.02    |
| $\alpha$ -Pinene                                                                                 | 1.22          | 990.6  | 0.06    | 3.04        | 930.8  | 0.07    |
| Sabinene                                                                                         | 2.05          | 1083.0 | 0.01    | 3.65*       | 971.6  | [0.17]  |
| $\beta$ -Pinene                                                                                  | 1.88          | 1065.4 | 0.16    | 3.65*       | 971.6  | [0.17]  |
| Octan-3-one                                                                                      | 3.68          | 1217.2 | 0.01    | 3.88        | 987.0  | 0.01    |
| Octan-3-ol                                                                                       | 5.76          | 1368.6 | 0.01    | 4.04        | 998.3  | tr      |
| Limonene                                                                                         | 2.90          | 1156.1 | 0.02    | 4.48        | 1026.4 | 0.02    |
| Linalool                                                                                         | 7.73          | 1517.2 | 0.01    | 5.66        | 1101.1 | 0.01    |
| $\alpha$ -Terpineol                                                                              | 9.38*         | 1648.6 | [3.00]  | 7.07        | 1192.8 | 0.01    |
| Unknown POCA I<br>[m/z 159, 117<br>(68), 132 (55), 200<br>(35)]                                  | 6.78*         | 1445.1 | [0.06]  | 8.94        | 1316.4 | 0.02    |
| $\delta$ -Elemene                                                                                | 6.62*         | 1432.6 | [2.52]  | 9.21        | 1335.7 | 0.14    |
| $\alpha$ -Cubebene                                                                               | 6.47          | 1421.1 | 0.01    | 9.37        | 1347.6 | 0.01    |
| Unknown POCA II<br>[m/z 145, 91 (67),<br>105 (57), 131 (56),<br>119 (52), 159 (49),<br>202 (45)] | 7.26          | 1480.8 | tr      | 9.46        | 1353.4 | tr      |
| $\alpha$ -Copaene                                                                                | 6.78*         | 1445.1 | [0.06]  | 9.73        | 1372.9 | 0.05    |
| $\beta$ -Patchoulene                                                                             | 6.62*         | 1432.6 | [2.52]  | 9.78        | 1376.2 | 2.39    |
| $\beta$ -Bourbonene                                                                              | 7.11          | 1469.7 | 0.01    | 9.83        | 1380.2 | 0.01    |
| <i>cis</i> - $\beta$ -Elemene                                                                    | 7.94          | 1533.5 | 0.05    | 9.86        | 1382.6 | 0.07    |
| $\beta$ -Elemene                                                                                 | 8.05*         | 1541.9 | [3.60]  | 9.97        | 1390.2 | 1.05    |
| Cycloseychellene                                                                                 | 7.48          | 1497.9 | 0.56    | 10.12*      | 1400.9 | [0.59]  |
| Isocaryophyllene                                                                                 | 7.80          | 1522.6 | 0.04    | 10.12*      | 1400.9 | [0.59]  |
| $\beta$ -Caryophyllene                                                                           | 8.05*         | 1541.9 | [3.60]  | 10.31       | 1414.6 | 3.30    |
| Seychellene                                                                                      | 8.43*         | 1572.1 | [10.98] | 10.57*†     | 1434.6 | [6.10]  |
| $\alpha$ -Guaiene                                                                                | 8.13          | 1548.5 | 13.99   | 10.65*†     | 1440.0 | [13.48] |
| Unknown POCA<br>III [m/z 91, 93 (98),<br>79 (82), 81 (82),<br>105 (71), 107<br>(70)... 204 (38)] | 8.89*         | 1608.6 | [0.59]  | 10.68       | 1442.2 | 0.05    |
| $\alpha$ -Humulene                                                                               | 8.89*         | 1608.6 | [0.59]  | 10.72       | 1445.9 | 0.22    |
| $\alpha$ -Patchoulene                                                                            | 8.43*         | 1572.1 | [10.98] | 10.78†      | 1449.7 | 5.25    |
| Patchoulene<br>analog IV<br>(Improperly<br>reported as $\gamma$ -<br>patchoulene)                | 8.62          | 1587.1 | 0.93    | 10.82*†     | 1452.9 | [2.60]  |
| $\delta$ -patchoulene                                                                            | 8.47          | 1575.4 | 1.45    | 10.82*†     | 1452.9 | [2.60]  |

|                                                                                                |        |        |         |        |        |        |
|------------------------------------------------------------------------------------------------|--------|--------|---------|--------|--------|--------|
| 9-epi-β-Caryophyllene                                                                          | 8.98   | 1615.6 | 0.42    | 10.91  | 1459.5 | 0.02   |
| Unknown POCA IV [m/z 159, 91 (88), 93 (72), 79 (69), 105 (68), 41 (66), 81 (54), 202? (50)...] | 8.95*  | 1613.7 | [0.42]  | 10.95  | 1462.7 | 0.43   |
| Unknown POCA V [m/z 147, 93 (87), 107 (77), 105 (77), 91 (73), 79 (63)... 204 (21)]            | 8.95*  | 1613.7 | [0.42]  | 11.10* | 1473.9 | [0.63] |
| Selina-4,11-diene                                                                              | 9.02   | 1619.4 | 0.20    | 11.10* | 1473.9 | [0.63] |
| β-Selinene                                                                                     | 9.46   | 1655.7 | 0.09    | 11.19  | 1480.5 | 0.10   |
| Patchoulene analog II                                                                          | 9.38*  | 1648.6 | [3.00]  | 11.22  | 1483.3 | 0.40   |
| Unknown POCA VI [m/z 79, 107 (99), 91 (88), 93 (86), 81 (78), 105 (73), 41 (73)... 204? (12)]  | 9.26*  | 1638.7 | [0.52]  | 11.24  | 1484.8 | 0.31   |
| Unknown POCA VII [m/z 161, 189 (96), 91 (74), 204 (73), 105 (69), 41 (52)]                     | 9.38*  | 1648.6 | [3.00]  | 11.28* | 1487.9 | [0.25] |
| δ-Selinene                                                                                     | 9.26*  | 1638.7 | [0.52]  | 11.28* | 1487.9 | [0.25] |
| α-Selinene                                                                                     | 9.58*  | 1664.9 | [18.84] | 11.31  | 1489.8 | 0.09   |
| Eudesma-2,4(15),11-triene                                                                      | 10.67  | 1757.3 | 0.14    | 11.40* | 1496.8 | [3.13] |
| Aciphyllene                                                                                    | 9.38*  | 1648.6 | [3.00]  | 11.40* | 1496.8 | [3.13] |
| Unknown UNKN CLXXIII [m/z 105, 91 (85), 93 (75), 119 (74), 107 (68), 145 (62), 202 (59)]       | 11.91* | 1865.9 | [0.22]  | 11.44  | 1499.8 | 0.36   |
| δ-Guaiene                                                                                      | 9.58*  | 1664.9 | [18.84] | 11.53  | 1506.6 | 18.69  |
| γ-Cadinene                                                                                     | 9.97   | 1697.1 | 0.53    | 11.60  | 1512.0 | 0.22   |
| 7-epi-α-Selinene                                                                               | 10.03  | 1702.5 | 0.20    | 11.61  | 1512.9 | 0.23   |
| Unknown POCA XLV [m/z 159, 91 (81), 117 (68), 131 (51), 105 (46)...]                           | 9.20   | 1633.7 | 0.04    | 11.68  | 1518.1 | 0.07   |

|                                                                                                                  |       |        |      |        |        |        |
|------------------------------------------------------------------------------------------------------------------|-------|--------|------|--------|--------|--------|
| 202 (37)]                                                                                                        |       |        |      |        |        |        |
| Unknown POCA IX [m/z 41, 67 (95), 93 (92), 107 (91), 55 (77), 81 (77), 79 (73)... 205 (17)...]                   | 10.87 | 1773.9 | 0.07 | 11.72  | 1521.0 | 0.08   |
| Unknown POCA X [m/z 161, 119 (92), 91 (69), 105 (52), 145 (49)... 218 (6)]                                       | 10.92 | 1778.5 | 0.02 | 11.75  | 1523.7 | 0.02   |
| Unknown POCA XI [m/z 91, 105 (98), 108 (83), 93 (82), 133 (79), 77 (64), 79 (57), 41 (56), 145 (55)... 218? (5)] |       |        |      | 11.81  | 1528.7 | 0.10   |
| Unknown POCA XII [m/z 91, 105 (78), 93 (77), 107 (71), 79 (64), 41 (63), 77 (63), 145 (60)... 218 (17)]          |       |        |      | 11.84  | 1530.6 | 0.09   |
| Unknown POCA XIII [m/z 145, 131 (91), 91 (86), 105 (68), 146 (66), 43 (54)... 220? (5)]                          |       |        |      | 11.91  | 1536.4 | 0.03   |
| Norpatchoulénol                                                                                                  | 13.63 | 2026.4 | 0.54 | 12.01* | 1544.3 | [0.54] |
| Isocaryophyllène epoxide B                                                                                       | 11.71 | 1848.1 | 0.05 | 12.01* | 1544.3 | [0.54] |
| Unknown POCA XIV [m/z 191, 159 (66), 133 (53), 91 (45), 41 (42), 177 (35), 105 (33), 220 (32)]                   | 13.21 | 1985.9 | 0.02 | 12.18  | 1557.7 | 0.03   |
| Unknown POCA XV [m/z 41, 67 (90), 55 (87), 79 (85), 107 (84), 81 (84), 93 (84), 121 (77), 91 (74)... 220         |       |        |      | 12.22  | 1561.2 | 0.05   |

|                                                                                                                                          |        |        |         |        |        |        |
|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|---------|--------|--------|--------|
| (7)]<br>Unknown POCA<br>XVI [m/z 43, 107<br>(94), 81 (71), 41<br>(63), 67 (58), 111<br>(58), 93 (55), 83<br>(54)... 205 (8), 220<br>(1)] | 11.91* | 1865.9 | [0.22]  | 12.33  | 1569.8 | 0.23   |
| Unknown POCA<br>XIV isomer                                                                                                               | 14.00  | 2062.1 | 0.03    | 12.40* | 1574.9 | [0.41] |
| Caryophyllene<br>oxide isomer                                                                                                            | 12.26  | 1897.9 | 0.08    | 12.40* | 1574.9 | [0.41] |
| Caryophyllene<br>oxide                                                                                                                   | 12.34  | 1904.4 | 0.29    | 12.40* | 1574.9 | [0.41] |
| Unknown POCA<br>XVII [m/z 43, 79<br>(44), 81 (41), 93<br>(40), 91 (40)... 220<br>(5)]                                                    | 13.92  | 2054.8 | 0.37    | 12.50  | 1583.2 | 0.34   |
| Unknown POCA<br>XVIII [m/z 43, 105<br>(77), 91 (71), 93<br>(68), 41 (62), 107<br>(6)... 205 (41), 220<br>(7)]                            | 14.23  | 2084.5 | 0.30    | 12.67  | 1596.6 | 0.17   |
| Hexadecane                                                                                                                               | 8.75   | 1597.4 | 0.02    | 12.73* | 1601.3 | [0.08] |
| Humulene<br>epoxide II                                                                                                                   | 12.93  | 1959.5 | 0.04    | 12.73* | 1601.3 | [0.08] |
| Unknown POCA<br>XIX [m/z 43, 161<br>(73), 91 (53), 95<br>(52), 79 (46), 119<br>(45)... 205 (29),<br>220? (1)]                            | 14.35* | 2096.6 | [29.49] | 12.77  | 1604.5 | 0.09   |
| Unknown POCA<br>XX [m/z 41, 91<br>(92), 55 (81), 93<br>(81), 79 (74), 43<br>(71), 95 (68), 123<br>(65)... 220 (17)]                      | 14.40  | 2101.4 | 0.23    | 12.84  | 1610.1 | 0.21   |
| Unknown POCA<br>XXI [m/z 43, 79<br>(41), 93 (39), 41<br>(39), 91 (38), 81<br>(36)... 220 (3)]                                            | 14.58* | 2119.1 | [0.54]  | 12.90  | 1614.9 | 0.23   |

|                                                                                                                                        |        |        |         |        |        |         |
|----------------------------------------------------------------------------------------------------------------------------------------|--------|--------|---------|--------|--------|---------|
| Unknown POCA<br>XXII [m/z 41, 55<br>(92), 95 (80), 81<br>(76), 109 (76), 67<br>(66), 125 (65)...<br>220 (12)]                          | 14.35* | 2096.6 | [29.49] | 13.00  | 1622.9 | 0.64    |
| Hinesol                                                                                                                                | 14.58* | 2119.1 | [0.54]  | 13.09* | 1630.8 | [0.43]  |
| Caryophylladienol<br>II                                                                                                                | 15.64  | 2227.8 | 0.14    | 13.09* | 1630.8 | [0.43]  |
| Pogostol                                                                                                                               | 14.80  | 2141.4 | 2.06    | 13.34* | 1651.3 | [31.29] |
| Patchoulol                                                                                                                             | 14.35* | 2096.6 | [29.49] | 13.34* | 1651.3 | [31.29] |
| Unknown POCA<br>XXIII [m/z 175,<br>218 (59), 133 (49),<br>91 (43), 41 (38),<br>147 (36)]                                               | 14.61  | 2122.5 | 0.07    | 13.42  | 1657.8 | 0.14    |
| Unknown POCA<br>XXIV [m/z 43, 41<br>(87), 91 (64), 55<br>(63), 81 (58), 95<br>(54), 107 (52)...<br>222 (12)]                           | 19.70  | 2684.2 | 0.01    | 13.44  | 1660.0 | 0.03    |
| Unknown POCA<br>XXV [m/z 95, 107<br>(99), 41 (85), 93<br>(82), 91 (82), 109<br>(71), 105 (71), 105<br>(71), 108 (66)...<br>220 (29)]   |        |        |         | 13.65  | 1677.0 | 0.18    |
| Unknown POCA<br>XXVI [m/z 91, 41<br>(100), 107 (98),<br>108 (95), 95 (87),<br>93 (87), 105 (85),<br>79 (77), 119 (72)...<br>220? (15)] | 15.62  | 2225.2 | 0.03    | 13.66  | 1678.3 | 0.07    |
| Unknown POCA<br>XXVII [m/z 43, 41<br>(95), 97 (89), 109<br>(71), 55 (71), 107<br>(70), 95 (69), 110<br>(65)... 222 (5)]                | 14.96  | 2158.0 | 0.04    | 13.76  | 1686.8 | 0.04    |
| Rotundone                                                                                                                              | 15.23  | 2185.5 | 0.19    | 13.95  | 1701.9 | 0.25    |
| Unknown POCA<br>XXVIII [m/z 43, 41                                                                                                     |        |        |         | 13.98  | 1705.0 | 0.07    |

|                                                                                                                        |       |        |      |       |        |      |
|------------------------------------------------------------------------------------------------------------------------|-------|--------|------|-------|--------|------|
| (82), 137 (78), 109<br>(76), 95 (75), 91<br>(72), 55 (67)...<br>220? (14)]                                             |       |        |      |       |        |      |
| Pogostone                                                                                                              |       |        |      | 14.05 | 1710.3 | 0.79 |
| Unknown POCA<br>XXIX [m/z 107, 93<br>(87), 41 (83), 81<br>(82), 67 (80), 55<br>(76)... 204 (53),<br>207 (34), 222 (9)] | 16.46 | 2313.9 | 0.31 | 14.17 | 1720.8 | 0.28 |
| Unknown POCA<br>XXX [m/z 83, 43<br>(85), 55 (39), 41<br>(29), 121 (27), 120<br>(25)... 218 (3)]                        | 16.59 | 2327.4 | 0.17 | 14.20 | 1723.5 | 0.12 |
| Unknown POCA<br>XXXI [m/z 133,<br>148 (68), 147 (59),<br>91 (56), 79 (45),<br>105 (44)... 218 (8)]                     | 16.74 | 2344.1 | 0.04 | 14.27 | 1729.7 | 0.12 |
| Unknown POCA<br>XXXII [m/z 43, 83<br>(93), 55 (42), 41<br>(37), 121 (34), 111<br>(28)... 222? (1)]                     | 17.06 | 2378.4 | 0.03 | 14.44 | 1744.3 | 0.01 |
| Unknown POCA<br>XXXIII [m/z 134,<br>107 (96), 91 (84),<br>93 (78), 79 (77), 41<br>(74), 43 (66), 77<br>(65)...]        | 16.96 | 2367.5 | 0.02 | 14.54 | 1753.6 | 0.02 |
| Unknown POCA<br>XXXIV [m/z 43,<br>191 (68), 41 (62),<br>91 (51), 95 (49),<br>110 (44)... 234<br>(22)]                  |       |        |      | 14.58 | 1756.8 | 0.03 |
| Unknown POCA<br>XXXV [m/z 91, 105<br>(88), 95 (79), 93<br>(78), 81 (72), 79<br>(66)... 205 (33),<br>220 (7)...]        | 17.27 | 2401.1 | 0.45 | 14.62 | 1760.1 | 0.13 |
| Unknown POCA                                                                                                           | 16.89 | 2359.8 | 0.05 | 14.71 | 1768.5 | 0.07 |

|                                                                                                                   |        |        |        |       |        |      |
|-------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|--------|------|
| XXXVI [m/z 149, 131 (54), 105 (48), 91 (46), 41 (30), 93 (27)... 218 (23)]                                        |        |        |        |       |        |      |
| Unknown POCA XXXVII [m/z 43, 95 (58), 67 (50), 41 (47), 55 (38), 109 (37)... 221 (9)... 236? (3)]                 | 17.62* | 2440.9 | [0.19] | 14.89 | 1783.5 | 0.02 |
| Unknown POCA XXXVIII [m/z 219, 43 (67), 91 (46), 79 (42), 41 (41), 55 (36)... 234 (6)]                            | 17.62* | 2440.9 | [0.19] | 15.03 | 1795.6 | 0.03 |
| Unknown POCA XL [m/z 43, 91 (77), 79 (74), 109 (73), 110 (71)... 218 (52), 234? (1)]                              | 17.11  | 2384.1 | 0.03   | 15.10 | 1802.1 | 0.03 |
| Unknown POCA XLII [m/z 91, 41 (79), 43 (74), 79 (72), 105 (65), 77 (64), 147 (64), 93 (61)... 218 (26), 234 (14)] | 16.79  | 2349.2 | 0.05   | 15.16 | 1807.1 | 0.04 |
| Unknown POCA XLIII [m/z 43, 69 (60), 41 (55), 55 (40), 95 (33), 163 (27)... 234 (17)]                             | 19.50  | 2659.5 | 0.01   | 15.33 | 1823.1 | 0.01 |
| Corymbolone analog                                                                                                |        |        |        | 15.64 | 1851.4 | 0.02 |
| Phytol                                                                                                            | 18.82  | 2578.6 | 0.04   | 18.36 | 2112.2 | 0.03 |
| Total reported                                                                                                    |        | 95.70% |        |       | 98.16% |      |

\*: 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