| **Characteristic** | **C\_I** N = 30*1* | \*\*C\_II \*\* N = 27*1* | **C\_III** N = 18*1* | **E\_I** N = 29*1* | \*\*E\_II \*\* N = 24*1* | **E\_III** N = 30*1* | \*\*E\_IV \*\* N = 22*1* | **E\_V** N = 29*1* | **E\_VI** N = 22*1* | **G\_I** N = 30*1* | \*\*G\_II \*\* N = 26*1* | **G\_III** N = 29*1* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a.pinene | 3.8 ± (3.8) | 5.6 ± (6.8) | 6.1 ± (9.2) | 5.7 ± (8.7) | 33.7 ± (18.1) | 9.2 ± (10.3) | 55.4 ± (17.7) | 10.0 ± (11.9) | 2.3 ± (2.8) | 13.0 ± (11.0) | 13.1 ± (12.7) | 10.4 ± (10.7) |
| fenchene | 0.6 ± (0.5) | 0.4 ± (0.4) | 0.4 ± (0.6) | 0.4 ± (0.4) | 1.8 ± (1.2) | 1.0 ± (1.0) | 0.8 ± (0.4) | 1.1 ± (0.9) | 0.2 ± (0.2) | 1.6 ± (1.0) | 1.1 ± (0.8) | 1.8 ± (1.6) |
| camphene | 0.2 ± (0.2) | 0.2 ± (0.2) | 0.2 ± (0.2) | 0.2 ± (0.1) | 0.8 ± (0.4) | 0.4 ± (0.3) | 1.9 ± (1.2) | 0.4 ± (0.3) | 0.7 ± (0.8) | 0.5 ± (0.3) | 0.4 ± (0.2) | 0.6 ± (0.5) |
| b.pinene | 1.1 ± (1.1) | 0.9 ± (0.7) | 0.9 ± (0.7) | 0.6 ± (0.4) | 2.6 ± (1.4) | 1.1 ± (1.0) | 2.4 ± (1.7) | 1.3 ± (1.1) | 0.4 ± (0.5) | 1.8 ± (1.1) | 1.0 ± (0.9) | 1.6 ± (1.2) |
| b.myrcene | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.3 ± (0.1) | 0.1 ± (0.1) | 0.2 ± (0.1) | 0.1 ± (0.0) | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.1 ± (0.1) |
| a.phellandrene | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.1 ± (0.0) | 0.0 ± (0.0) | 0.1 ± (0.1) | 0.0 ± (0.0) | 0.1 ± (0.1) | 0.0 ± (0.1) | 0.0 ± (0.0) | 0.1 ± (0.1) | 0.0 ± (0.0) | 0.0 ± (0.1) |
| a.terpinene | 0.7 ± (0.6) | 0.8 ± (0.7) | 0.9 ± (0.6) | 0.7 ± (0.5) | 1.4 ± (0.9) | 0.5 ± (0.4) | 1.7 ± (1.0) | 0.6 ± (0.7) | 0.0 ± (0.1) | 1.1 ± (0.9) | 0.5 ± (0.5) | 0.5 ± (0.8) |
| d.limonene | 5.8 ± (5.1) | 4.2 ± (3.3) | 3.6 ± (5.1) | 4.4 ± (3.6) | 18.1 ± (9.5) | 9.2 ± (8.7) | 18.1 ± (10.4) | 11.4 ± (8.6) | 6.2 ± (6.7) | 14.4 ± (8.7) | 9.9 ± (6.5) | 16.0 ± (13.4) |
| cineolo | 7.7 ± (9.8) | 5.6 ± (10.0) | 3.1 ± (4.0) | 2.5 ± (3.8) | 3.6 ± (7.6) | 1.7 ± (3.5) | 3.7 ± (7.5) | 0.4 ± (1.9) | 0.1 ± (0.6) | 1.8 ± (4.6) | 0.5 ± (2.2) | 0.8 ± (2.7) |
| b.ocimene | 0.0 ± (0.0) | 0.1 ± (0.3) | 0.0 ± (0.0) | 0.0 ± (0.1) | 0.0 ± (0.0) | 0.0 ± (0.1) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) |
| g.terpinene | 1.6 ± (1.5) | 1.9 ± (1.7) | 1.6 ± (1.2) | 0.9 ± (0.8) | 2.5 ± (2.8) | 1.3 ± (1.5) | 1.8 ± (1.8) | 1.1 ± (1.6) | 0.5 ± (1.4) | 1.6 ± (1.7) | 0.7 ± (1.1) | 0.3 ± (0.5) |
| p.cymene | 0.4 ± (0.4) | 0.6 ± (0.4) | 0.4 ± (0.3) | 0.2 ± (0.2) | 0.6 ± (0.6) | 0.3 ± (0.3) | 0.4 ± (0.3) | 0.2 ± (0.3) | 0.0 ± (0.0) | 0.3 ± (0.4) | 13.1 ± (5.8) | 1.7 ± (3.8) |
| terpinolene | 0.1 ± (0.3) | 0.1 ± (0.1) | 1.2 ± (1.0) | 0.1 ± (0.1) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.2 ± (0.2) | 0.0 ± (0.0) | 0.4 ± (0.9) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.2 ± (0.4) |
| neryl.propionate | 10.8 ± (5.5) | 16.5 ± (7.9) | 13.0 ± (8.9) | 13.6 ± (7.3) | 6.5 ± (7.2) | 14.3 ± (9.3) | 1.9 ± (2.3) | 14.6 ± (9.5) | 17.5 ± (7.1) | 9.3 ± (4.8) | 13.0 ± (8.1) | 13.9 ± (9.0) |
| nerol | 9.0 ± (6.9) | 11.6 ± (7.9) | 8.7 ± (7.0) | 4.9 ± (4.7) | 5.8 ± (5.2) | 8.3 ± (7.0) | 4.0 ± (2.4) | 5.9 ± (4.0) | 4.6 ± (3.0) | 3.1 ± (1.8) | 3.5 ± (3.4) | 3.5 ± (2.2) |
| neryl.isovaleriate | 1.8 ± (2.9) | 2.6 ± (1.8) | 1.7 ± (1.0) | 2.2 ± (3.6) | 0.3 ± (0.7) | 2.1 ± (1.9) | 1.1 ± (1.6) | 1.6 ± (2.1) | 0.7 ± (0.6) | 1.8 ± (1.0) | 1.2 ± (0.8) | 1.3 ± (1.2) |
| neryl.acetate | 47.3 ± (16.0) | 38.7 ± (17.6) | 27.1 ± (12.7) | 37.3 ± (12.2) | 15.2 ± (14.5) | 43.2 ± (20.6) | 3.7 ± (9.3) | 44.6 ± (17.7) | 59.5 ± (11.4) | 45.5 ± (14.8) | 38.9 ± (15.0) | 43.2 ± (14.9) |
| linalool | 6.4 ± (6.7) | 6.8 ± (7.1) | 5.4 ± (6.7) | 3.5 ± (4.3) | 2.2 ± (2.3) | 3.9 ± (3.8) | 0.6 ± (1.2) | 5.2 ± (4.5) | 5.8 ± (5.4) | 0.8 ± (1.0) | 1.6 ± (3.0) | 3.0 ± (3.2) |
| terpinen.4.ol | 2.6 ± (2.7) | 3.3 ± (2.6) | 2.1 ± (1.4) | 1.8 ± (1.5) | 2.0 ± (1.9) | 1.6 ± (1.5) | 1.1 ± (0.9) | 1.3 ± (2.4) | 0.9 ± (1.2) | 3.2 ± (2.7) | 1.2 ± (1.1) | 1.1 ± (2.0) |
| a.terpineol | 0.0 ± (0.0) | 0.0 ± (0.0) | 23.4 ± (12.8) | 20.9 ± (10.6) | 2.6 ± (2.3) | 1.7 ± (3.6) | 0.8 ± (1.3) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) |
| a.ylangene | 0.1 ± (0.3) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.1 ± (0.4) | 1.7 ± (3.1) | 2.6 ± (3.1) | 2.9 ± (2.9) | 0.3 ± (0.6) | 0.0 ± (0.0) | 1.0 ± (1.2) | 0.8 ± (1.3) | 0.5 ± (0.8) |
| a.copaene | 0.8 ± (3.8) | 0.0 ± (0.1) | 2.4 ± (4.3) | 0.0 ± (0.0) | 12.2 ± (12.8) | 1.6 ± (4.9) | 10.9 ± (12.8) | 0.0 ± (0.2) | 0.0 ± (0.0) | 0.3 ± (1.2) | 0.2 ± (0.8) | 1.0 ± (3.8) |
| isoitalicene | 0.4 ± (0.2) | 0.7 ± (0.7) | 0.5 ± (0.2) | 0.7 ± (0.3) | 0.0 ± (0.1) | 0.2 ± (0.2) | 0.1 ± (0.1) | 0.7 ± (0.4) | 1.0 ± (1.5) | 0.4 ± (0.2) | 0.4 ± (0.1) | 0.6 ± (0.2) |
| italicene | 1.6 ± (0.7) | 2.8 ± (2.6) | 2.0 ± (0.7) | 2.8 ± (0.9) | 0.1 ± (0.3) | 0.7 ± (0.6) | 0.4 ± (0.4) | 2.6 ± (1.5) | 3.0 ± (3.8) | 1.7 ± (0.8) | 1.5 ± (0.5) | 2.5 ± (0.9) |
| cis.a.bergamotene | 2.7 ± (2.3) | 2.3 ± (1.7) | 2.2 ± (1.2) | 0.6 ± (1.1) | 0.0 ± (0.0) | 0.8 ± (1.7) | 0.2 ± (0.5) | 0.0 ± (0.1) | 1.1 ± (1.4) | 1.1 ± (1.0) | 0.6 ± (0.6) | 1.3 ± (1.4) |
| trans.a.bergamotene | 1.6 ± (1.6) | 1.3 ± (0.8) | 1.4 ± (0.8) | 0.5 ± (0.7) | 0.1 ± (0.1) | 0.6 ± (1.2) | 0.3 ± (0.5) | 0.5 ± (0.9) | 0.7 ± (0.9) | 1.2 ± (1.5) | 0.6 ± (0.6) | 1.1 ± (1.1) |
| b.caryophillene | 2.9 ± (3.1) | 2.6 ± (3.6) | 1.4 ± (2.3) | 0.9 ± (1.3) | 3.1 ± (2.6) | 2.6 ± (3.1) | 3.3 ± (4.5) | 0.8 ± (1.2) | 0.6 ± (1.8) | 1.7 ± (2.5) | 1.4 ± (1.3) | 2.1 ± (3.3) |
| guaia.6.9.diene | 0.0 ± (0.1) | 0.0 ± (0.0) | 0.0 ± (0.1) | 0.0 ± (0.0) | 8.0 ± (7.3) | 0.9 ± (1.1) | 1.5 ± (1.5) | 0.0 ± (0.0) | 0.1 ± (0.2) | 0.4 ± (0.5) | 0.3 ± (0.5) | 0.2 ± (0.3) |
| b.farnesene | 0.2 ± (0.1) | 0.2 ± (0.2) | 0.2 ± (0.1) | 0.2 ± (0.1) | 0.2 ± (0.3) | 0.4 ± (0.8) | 0.1 ± (0.1) | 0.1 ± (0.1) | 0.2 ± (0.1) | 0.6 ± (0.8) | 0.2 ± (0.2) | 0.4 ± (1.0) |
| g.curcumene | 17.1 ± (9.6) | 24.4 ± (12.2) | 11.3 ± (6.3) | 12.3 ± (7.5) | 3.2 ± (9.2) | 7.3 ± (8.9) | 9.7 ± (10.7) | 29.8 ± (14.3) | 15.9 ± (10.4) | 30.5 ± (11.4) | 25.8 ± (6.7) | 24.4 ± (9.8) |
| a.muurolene | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.2 ± (0.4) | 0.1 ± (0.3) | 2.0 ± (1.9) | 2.7 ± (2.8) | 3.0 ± (2.1) | 0.3 ± (0.6) | 0.1 ± (0.4) | 0.7 ± (0.8) | 0.8 ± (1.2) | 0.6 ± (0.8) |
| b.bisabolene | 0.5 ± (0.4) | 0.4 ± (0.3) | 0.4 ± (0.3) | 0.2 ± (0.4) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.1 ± (0.2) | 0.2 ± (0.2) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) |
| d.cadinene | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.1 ± (0.3) | 0.0 ± (0.0) | 1.8 ± (2.4) | 3.1 ± (4.9) | 3.3 ± (2.8) | 0.3 ± (0.5) | 0.0 ± (0.0) | 1.0 ± (1.0) | 0.9 ± (1.3) | 0.6 ± (0.8) |
| b.selinene | 0.1 ± (0.7) | 0.0 ± (0.0) | 1.4 ± (3.2) | 0.3 ± (0.8) | 1.5 ± (3.9) | 2.0 ± (2.7) | 0.5 ± (0.7) | 0.1 ± (0.3) | 0.6 ± (2.1) | 0.7 ± (1.4) | 0.3 ± (1.0) | 0.4 ± (1.0) |
| b.curcumene | 0.7 ± (0.3) | 1.0 ± (0.6) | 1.8 ± (1.9) | 1.0 ± (0.4) | 0.1 ± (0.3) | 0.3 ± (0.5) | 0.4 ± (0.5) | 0.8 ± (0.4) | 0.5 ± (0.3) | 0.9 ± (0.5) | 0.7 ± (0.3) | 1.2 ± (1.5) |
| selinene | 0.0 ± (0.0) | 0.0 ± (0.0) | 1.3 ± (2.3) | 0.1 ± (0.3) | 0.6 ± (1.6) | 0.6 ± (1.3) | 0.1 ± (0.3) | 0.1 ± (0.6) | 0.2 ± (0.8) | 0.4 ± (0.8) | 0.2 ± (0.7) | 0.6 ± (1.5) |
| a.curcumene | 3.5 ± (2.2) | 2.9 ± (3.8) | 2.9 ± (1.9) | 3.9 ± (2.5) | 0.0 ± (0.0) | 0.9 ± (1.2) | 1.0 ± (1.3) | 3.4 ± (2.7) | 0.7 ± (3.3) | 2.5 ± (3.7) | 3.8 ± (2.3) | 2.7 ± (2.4) |
| C15H26O2 | 0.0 ± (0.0) | 0.9 ± (1.0) | 0.8 ± (0.6) | 0.5 ± (0.5) | 0.3 ± (0.4) | 0.8 ± (1.1) | 0.4 ± (0.7) | 0.5 ± (0.6) | 0.3 ± (0.3) | 0.4 ± (0.3) | 0.4 ± (0.5) | 0.4 ± (0.5) |
| guaiol | 1.5 ± (1.4) | 1.7 ± (1.7) | 1.0 ± (1.1) | 1.7 ± (1.3) | 2.5 ± (1.0) | 2.6 ± (1.0) | 1.6 ± (1.5) | 1.7 ± (1.3) | 0.7 ± (0.9) | 1.1 ± (1.1) | 1.1 ± (0.9) | 0.7 ± (0.8) |
| sesquiterpene.4 | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.9 ± (1.1) | 0.0 ± (0.0) | 0.0 ± (0.2) | 0.0 ± (0.0) | 0.0 ± (0.0) | 0.0 ± (0.0) |
| rosifoliol | 7.7 ± (8.0) | 7.5 ± (6.7) | 4.6 ± (5.2) | 5.7 ± (5.0) | 14.6 ± (6.2) | 13.3 ± (6.7) | 8.1 ± (7.8) | 6.1 ± (5.7) | 2.2 ± (5.7) | 4.4 ± (4.1) | 4.7 ± (4.9) | 3.7 ± (3.8) |
| *1*Mean ± (SD) | | | | | | | | | | | | |