**Table 1.** Chemical composition of Essential oil of *Maesa perlarius*.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | RT | Compound | RICalc | RILib | Area (%) | Identification method | | CAS ID |
| 1 | 4.131 | 3-Methyl-2-butenal | NA | 778 | 2.47% | | MS | 107-86-8 |
| 2 | 5.631 | (*E*)-2-Hexenal | 854 | 854 | 0.64% | | RRI, MS | 6728-26-3 |
| 3 | 5.68 | 3-Hexen-1-ol | 855 | 855 | 0.42% | | RRI, MS | 544-12-7 |
| 4 | 5.969 | 2-Hexenol | 864 | 862 | 0.19% | | RRI, MS | 928-95-0 |
| 5 | 6.073 | 1-Hexanol | 860 | 868 | 0.43% | | RRI, MS | 111-27-3 |
| 6 | 8.55 | 2-Butyl-4-methyl-1,3-dioxolane | 952 | 945 | 0.08% | | RRI, MS | 74094-60-3 |
| 7 | 8.833 | Benzaldehyde | 961 | 962 | 0.12% | | RRI, MS | 100-52-7 |
| 8 | 9.395 | (*E*)-2-Hexenal dimethyl acetal | 979 | NA | 0.10% | | MS | 18318-83-7 |
| 9 | 9.750 | Sulcatol | 990 | 994 | 0.07% | | RRI, MS | 1569-60-4 |
| 10 | 12.772 | Linalool | 1097 | 1099 | 0.47% | | RRI, MS | 78-70-6 |
| 11 | 13.127 | (3*E*)-4,8-Dimethyl-1,3,7-nonatriene | 1110 | 1116 | 0.21% | | RRI, MS | 19945-61-0 |
| 12 | 15.205 | Methyl salicylate | 1190 | 1192 | 0.47% | | RRI, MS | 119-36-8 |
| 13 | 15.391 | Safranal | 1197 | 1201 | 0.08% | | RRI, MS | 116-26-7 |
| 14 | 18.642 | δ-Elemene | 1336 | 1338 | 0.26% | | RRI, MS | 20307-84-0 |
| 15 | 18.910 | α-Cubebene | 1348 | 1351 | 0.38% | | RRI, MS | 17699-14-8 |
| 16 | 19.433 | Ylangene | 1371 | 1372 | 1.03% | | RRI, MS | 14912-44-8 |
| 17 | 19.581 | Copaene | 1377 | 1376 | 0.99% | | RRI, MS | 3856-25-5 |
| 18 | 19.766 | (-)-β-Bourbonene | 1385 | 1384 | 0.23% | | RRI, MS | 5208-59-3 |
| 19 | 19.875 | β-Elemene | 1390 | 1391 | 2.67% | | RRI, MS | 515-13-9 |
| 20 | 20.644 | Caryophyllene | 1426 | 1419 | 53.00% | | RRI, MS | 87-44-5 |
| 21 | 20.786 | β-Copaene | 1433 | 1432 | 1.94% | | RRI, MS | 18252-44-3 |
| 22 | 20.873 | α-Guaiene | 1437 | 1439 | 0.07% | | RRI, MS | 3691-12-1 |
| 23 | 21.015 | Guaia-6,9-diene | 1443 | 1443 | 3.92% | | RRI, MS | 36577-33-0 |
| 24 | 21.195 | α-Himachalene | 1452 | 1449 | 2.33% | | RRI, MS | 3853-83-6 |
| 25 | 21.359 | Humulene | 1460 | 1454 | 8.98% | | RRI, MS | 6753-98-6 |
| 26 | 21.435 | Epi-β-caryophyllene | 1463 | 1466 | 1.11% | | RRI, MS | 68832-35-9 |
| 27 | 21.719 | γ-Muurolene | 1476 | 1477 | 2.03% | | RRI, MS | 30021-74-0 |
| 28 | 21.774 | 2,4,11-Eudesmatriene | 1479 | 1479 | 0.42% | | RRI, MS | 82462-31-5 |
| 29 | 21.872 | Germacrene D | 1483 | 1481 | 2.72% | | RRI, MS | 23986-74-5 |
| 30 | 21.975 | β-Guaiene | 1488 | 1490 | 0.10% | | RRI, MS | 88-84-6 |
| 31 | 22.046 | Valencene | 1491 | 1492 | 2.02% | | RRI, MS | 4630-07-3 |
| 32 | 22.188 | α-Selinene | 1497 | 1494 | 2.85% | | RRI, MS | 473-13-2 |
| 33 | 22.259 | α-Bulnesene | 1501 | 1505 | 0.63% | | RRI, MS | 3691-11-0 |
| 34 | 22.516 | γ-Cadinene | 1514 | 1513 | 1.13% | | RRI, MS | 39029-41-9 |
| 35 | 22.597 | β-Cadinene | 1519 | 1518 | 1.80% | | RRI, MS | 523-47-7 |
| 36 | 22.668 | Calamenene | 1522 | 1523 | 0.48% | | RRI, MS | 483-77-2 |
| 37 | 22.903 | Cubenene | 1534 | 1532 | 0.11% | | RRI, MS | 29837-12-5 |
| 38 | 22.985 | α-Cadinene | 1538 | 1538 | 0.18% | | RRI, MS | 24406-05-1 |
| 39 | 23.083 | α-Calacorene | 1543 | 1542 | 0.11% | | RRI, MS | 21391-99-1 |
| 40 | 23.410 | Nerolidol | 1559 | 1554 | 0.34% | | RRI, MS | 142-50-7 |
| 41 | 23.454 | Germacrene B | 1562 | 1557 | 0.12% | | RRI, MS | 15423-57-1 |
| 42 | 23.934 | Caryophyllene oxide | 1585 | 1581 | 1.10% | | RRI, MS | 1139-30-6 |
| 43 | 24.185 | Viridiflorol | 1597 | 1591 | 0.07% | | RRI, MS | 552-02-3 |
| 44 | 24.474 | Humulene oxide II | 1612 | 1606 | 0.12% | | RRI, MS | 19888-34-7 |
| 45 | 24.785 | Epicubenol | 1629 | 1627 | 0.09% | | RRI, MS | 19912-67-5 |
| 46 | 24.927 | Cubenol | 1637 | 1642 | 0.07% | | RRI, MS | 21284-22-0 |
| 47 | 25.090 | δ-Cadinol | 1645 | 1645 | 0.18% | | RRI, MS | 19435-97-3 |
| 48 | 25.320 | α-Cadinol | 1658 | 1653 | 0.13% | | RRI, MS | 481-34-5 |
| 49 | 25.401 | Neointermedeol | 1662 | 1660 | 0.06% | | RRI, MS | 5945-72-2 |
| 50 | 25.647 | Cadalene | 1674 | 1674 | 0.07% | | RRI, MS | 483-78-3 |
| 51 | 26.356 | 1-Pentadecanal | 1712 | 1715 | 0.06% | | RRI, MS | 2765-11-9 |

Concentration calculated from total ion chromatogram; RIcalc: Calculated retention index. RIlib: Retention index obtained from mass spectral database. RRI: Relative retention indices calculated against n-alkanes; Identification method based on the relative retention indices (RRI) of authentic compounds on the HP-5MS column; MS, identified based on computer matching of the mass spectra with Nist/EPA/NIH 2020 Mass Spectral Database and comparison with literature data.