

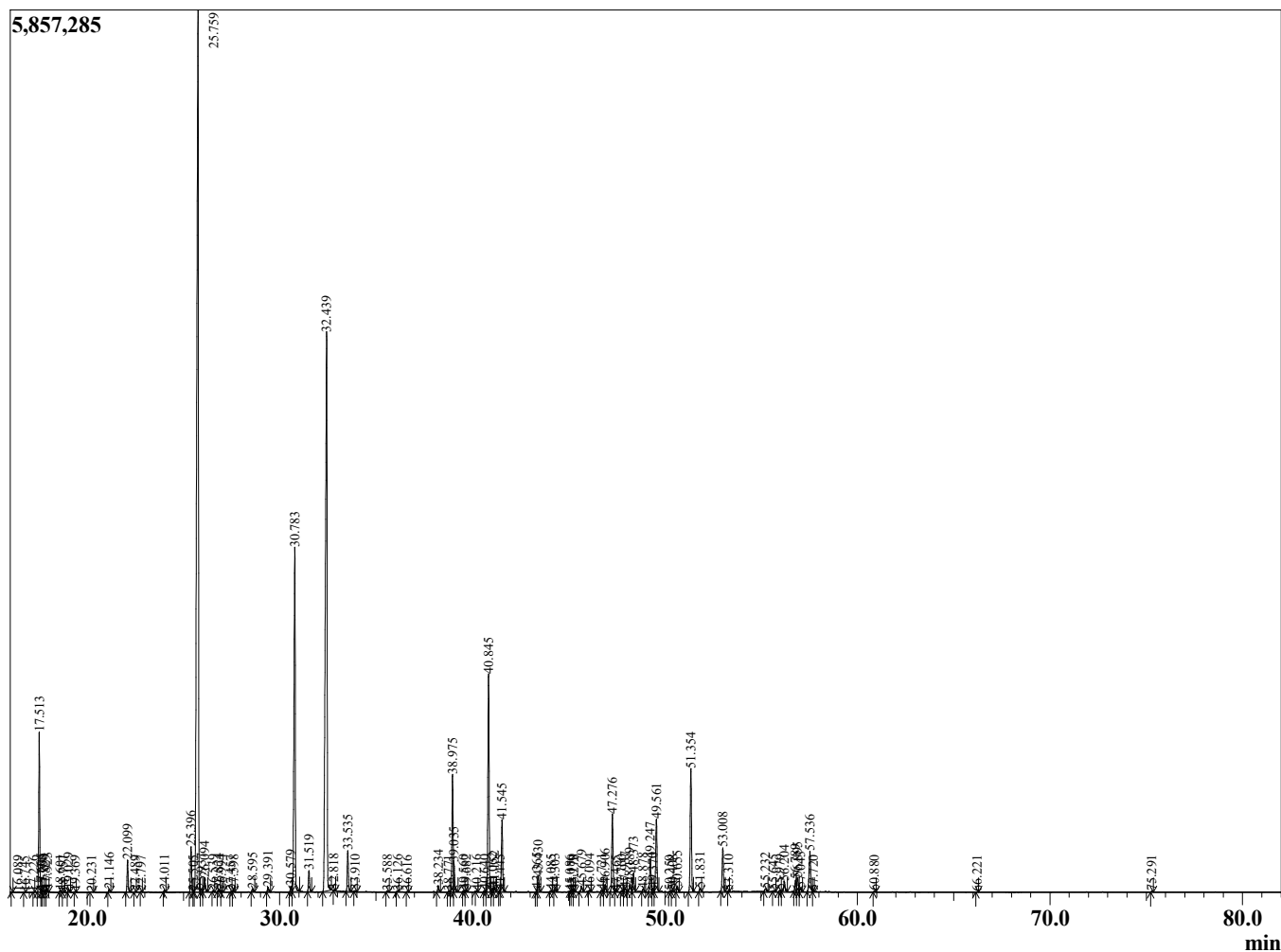
Sample Information

Sample Type : Essential Oil
 Sample Name : Cymbopogon winterianus
 Injection Volume : 0.10

Citronella Java
 Lot# INW12-WH
 Country: Indonesia



Chromatogram Cymbopogon winterianus



| R.Time | Name | Area% |
|--------|---|-------|
| 8.799 | 1-Isopropyl-3-methylcyclopentane isomer | 0.01 |
| 8.856 | 1-Isopropyl-3-methylcyclopentane isomer | 0.01 |
| 11.392 | Tricyclene | 0.03 |
| 11.944 | alpha-Pinene | 0.10 |
| 12.836 | Camphene | 0.10 |
| 14.102 | Sabinene | 0.01 |
| 14.762 | 6-Methyl hept-5-en-2-one | 0.07 |
| 15.046 | Myrcene | 0.06 |
| 16.089 | alpha-Phellandrene | 0.01 |
| 16.745 | alpha-Terpinene | 0.01 |
| 17.226 | para-Cymene | 0.00 |
| 17.513 | Limonene | 3.44 |
| 17.605 | beta-Phellandrene | 0.04 |
| 17.708 | Dihydromyrcenol analogue | 0.03 |
| 17.829 | Dihydromyrcenol | 0.04 |
| 17.923 | cis-beta-Ocimene | 0.08 |
| 18.601 | trans-beta-Ocimene | 0.04 |
| 18.757 | Unidentified branched alkane | 0.01 |
| 19.029 | Melon aldehyde | 0.07 |
| 19.369 | gamma-Terpinene | 0.01 |
| 20.231 | Nonanol | 0.02 |
| 21.146 | Terpinolene | 0.07 |
| 22.099 | Linalool | 0.75 |
| 22.489 | Unidentified | 0.01 |
| 22.797 | Rose oxide | 0.01 |
| 24.011 | Citronellol analogue | 0.04 |
| 25.396 | Isopulegol | 1.11 |
| 25.505 | Unidentified | 0.02 |
| 25.759 | Citronellal | 33.24 |
| 25.937 | Menthone | 0.09 |
| 26.094 | neo-Isopulegol | 0.41 |
| 26.539 | Isomenthone | 0.03 |
| 26.824 | iso-Isopulegol | 0.06 |
| 26.994 | Isoborneol | 0.03 |
| 27.457 | neo-iso-Isopulegol | 0.01 |
| 27.598 | Terpinen-4-ol | 0.04 |
| 28.595 | alpha-Terpineol | 0.09 |
| 29.391 | Decanal | 0.12 |
| 30.579 | Nerol | 0.15 |
| 30.783 | Citronellol | 9.72 |
| 31.519 | Neral | 0.52 |
| 32.439 | Geraniol | 21.19 |
| 32.818 | Unidentified | 0.01 |
| 33.535 | Geranial | 1.00 |
| 33.910 | Citronellyl formate | 0.02 |
| 35.588 | Geranyl formate | 0.03 |
| 36.126 | Citronellic acid | 0.03 |
| 36.616 | Unidentified | 0.01 |
| 38.234 | Citriodiol isomer | 0.16 |
| 38.771 | alpha-Cubebene | 0.01 |
| 38.975 | Citronellyl acetate | 3.03 |
| 39.035 | Eugenol | 0.63 |
| 39.560 | Neryl acetate | 0.04 |
| 39.682 | Citriodiol isomer | 0.04 |
| 40.216 | Cyclosativene | 0.02 |
| 40.640 | alpha-Copaene | 0.03 |

| R.Time | Name | Area% |
|---------|---------------------------|--------|
| 40.845 | Geranyl acetate | 5.77 |
| 41.062 | Elemene isomer | 0.09 |
| 41.152 | beta-Bourbonene | 0.12 |
| 41.445 | beta-Cubebene | 0.02 |
| 41.545 | beta-Elemene | 1.94 |
| 43.365 | beta-Ylangene | 0.04 |
| 43.430 | trans-beta-Caryophyllene | 0.43 |
| 44.085 | beta-Copaene | 0.04 |
| 44.303 | trans-alpha-Bergamotene | 0.05 |
| 45.086 | Unidentified | 0.01 |
| 45.170 | trans-Isoeugenol | 0.03 |
| 45.278 | Cadina-3,5-diene | 0.03 |
| 45.679 | alpha-Humulene | 0.17 |
| 46.094 | cis-Muurolo-4(14),5-diene | 0.05 |
| 46.721 | trans-Cadina-1(6),4-diene | 0.06 |
| 46.906 | gamma-Muuroloene | 0.20 |
| 47.276 | Germacrene D | 2.09 |
| 47.465 | Unidentified | 0.01 |
| 47.760 | beta-Selinene | 0.04 |
| 47.937 | gamma-Amorphene | 0.12 |
| 48.189 | epi-Cubebol | 0.26 |
| 48.373 | alpha-Muuroloene | 0.52 |
| 48.878 | alpha-Selinene | 0.07 |
| 49.247 | gamma-Cadinene | 0.92 |
| 49.370 | Cubebol | 0.09 |
| 49.561 | delta-Cadinene | 2.04 |
| 50.250 | Unidentified | 0.02 |
| 50.408 | trans-Cadina-1,4-diene | 0.03 |
| 50.655 | alpha-Cadinene | 0.13 |
| 51.354 | alpha-Elemol | 3.43 |
| 51.831 | Geranyl butyrate | 0.09 |
| 53.008 | Germacren D-4-ol | 1.20 |
| 53.310 | Unidentified | 0.01 |
| 55.232 | Farnesol analogue | 0.10 |
| 55.645 | 10-epi-gamma-Eudesmol | 0.03 |
| 55.979 | 1,10-di-epi-Cubenol | 0.04 |
| 56.204 | gamma-Eudesmol | 0.30 |
| 56.789 | epi-alpha-Cadinol | 0.34 |
| 56.895 | epi-alpha-Muurolol | 0.38 |
| 57.043 | alpha-Muurolol | 0.11 |
| 57.536 | Cadin-4-en-10-ol | 1.38 |
| 57.720 | Unidentified | 0.02 |
| 60.880 | (2E,6Z)-Farnesal | 0.02 |
| 66.221 | Cryptomeridiol | 0.01 |
| 75.291 | Unidentified | 0.02 |
| 106.118 | Unidentified | 0.04 |
| 108.398 | Unidentified | 0.05 |
| | | 100.00 |