

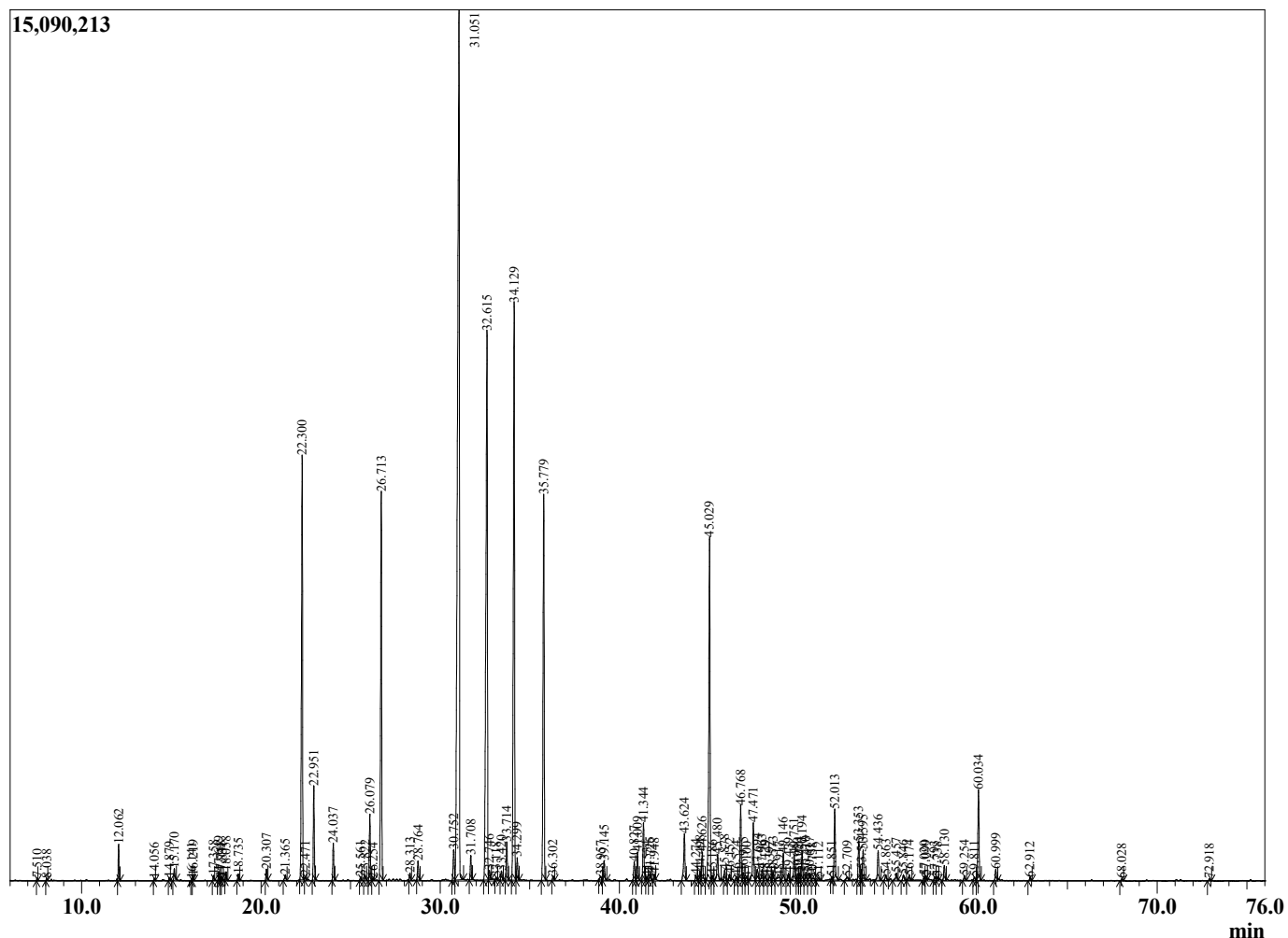
# Sample Information

Sample Type : Essential Oil  
Sample Name : Pelargonium roseum  
Injection Volume : 0.10

Geranium Rose  
Lot# MAW27-WE  
Country: Madagascar



Chromatogram Pelargonium roseum



Peak Report TIC

| R.Time | Name                               | Area% |
|--------|------------------------------------|-------|
| 7.510  | cis-Salvene                        | 0.02  |
| 8.038  | 3-Methylpentanol                   | 0.02  |
| 12.062 | alpha-Pinene                       | 0.43  |
| 14.056 | Bois de Rose oxide                 | 0.03  |
| 14.879 | 6-Methyl hept-5-en-2-one           | 0.05  |
| 15.170 | Myrcene                            | 0.18  |
| 16.141 | cis-Dehydrolinalool oxide          | 0.03  |
| 16.219 | alpha-Phellandrene                 | 0.07  |
| 17.358 | para-Cymene                        | 0.07  |
| 17.649 | Limonene                           | 0.12  |
| 17.748 | beta-Phellandrene                  | 0.05  |
| 17.831 | 1,8-Cineole                        | 0.04  |
| 18.058 | cis-beta-Ocimene                   | 0.11  |
| 18.735 | trans-beta-Ocimene                 | 0.10  |
| 20.307 | cis-Linalool oxide (furanoid)      | 0.16  |
| 21.365 | trans-Linalool oxide (furanoid)    | 0.11  |
| 22.300 | Linalool                           | 7.09  |
| 22.471 | Unidentified                       | 0.06  |
| 22.951 | cis-Rose oxide                     | 1.36  |
| 24.037 | trans-Rose oxide                   | 0.54  |
| 25.561 | trans-Chrysanthemal                | 0.06  |
| 25.822 | Citronellal                        | 0.07  |
| 26.079 | Menthone                           | 1.01  |
| 26.254 | Unidentified                       | 0.04  |
| 26.713 | Isomenthone                        | 6.41  |
| 28.313 | Isomenthol                         | 0.11  |
| 28.764 | alpha-Terpineol                    | 0.32  |
| 30.752 | Nerol                              | 0.54  |
| 31.051 | Citronellol                        | 24.31 |
| 31.708 | Neral                              | 0.37  |
| 32.615 | Geraniol                           | 12.66 |
| 32.746 | Unidentified                       | 0.17  |
| 33.118 | Neomenthyl acetate                 | 0.04  |
| 33.420 | trans-Myrtanol                     | 0.16  |
| 33.714 | Geranial                           | 0.61  |
| 34.129 | Citronellyl formate                | 10.81 |
| 34.299 | Neryl formate                      | 0.34  |
| 35.779 | Geranyl formate                    | 6.67  |
| 36.302 | trans-Myrtanyl acetate             | 0.07  |
| 38.957 | alpha-Cubebene                     | 0.08  |
| 39.145 | Unidentified + Citronellyl acetate | 0.34  |
| 40.827 | alpha-Copaene                      | 0.32  |
| 41.009 | Geranyl acetate                    | 0.45  |
| 41.344 | beta-Bourbonene                    | 1.00  |
| 41.534 | alpha-Bourbonene                   | 0.06  |
| 41.725 | beta-Elementene                    | 0.13  |
| 41.948 | Phenethyl isobutyrate              | 0.09  |
| 43.624 | beta-Caryophyllene                 | 0.90  |
| 44.274 | beta-Copaene                       | 0.10  |
| 44.498 | trans-alpha-Bergamotene            | 0.16  |
| 44.626 | alpha-Guaiene                      | 0.52  |
| 45.029 | Guaia-6,9-diene                    | 6.64  |
| 45.186 | Isogermacrene D                    | 0.09  |
| 45.480 | Unidentified                       | 0.56  |
| 45.878 | alpha-Humulene                     | 0.19  |
| 46.152 | 9-epi-Caryophyllene                | 0.11  |

| R.Time | Name                          | Area%  |
|--------|-------------------------------|--------|
| 46.524 | Unidentified                  | 0.07   |
| 46.768 | Geranyl propionate            | 1.34   |
| 46.915 | 10-beta-H-Cadina-1(6),4-diene | 0.15   |
| 47.100 | trans-Cadina-1(6),4-diene     | 0.09   |
| 47.471 | Germacrene D                  | 1.13   |
| 47.694 | Unidentified                  | 0.29   |
| 47.963 | beta-Selinene                 | 0.22   |
| 48.129 | trans-Muurola-4(14),5-diene   | 0.11   |
| 48.392 | alpha-Selinene                | 0.10   |
| 48.573 | alpha-Murolene                | 0.16   |
| 48.917 | Unidentified                  | 0.15   |
| 49.146 | Geranyl isobutyrate           | 0.49   |
| 49.439 | gamma-Cadinene                | 0.13   |
| 49.751 | delta-Cadinene                | 0.50   |
| 49.950 | trans-Calamenene              | 0.14   |
| 50.024 | Zonarene                      | 0.14   |
| 50.194 | Citronellyl butyrate          | 0.51   |
| 50.410 | Furanopelargone A             | 0.16   |
| 50.617 | Unidentified                  | 0.17   |
| 50.758 | 2-Phenylethyl tiglate         | 0.08   |
| 51.112 | alpha-Calacorene              | 0.06   |
| 51.851 | Unidentified                  | 0.05   |
| 52.013 | Geranyl butyrate              | 1.30   |
| 52.709 | Citronellyl isovalerate       | 0.09   |
| 53.353 | Furopelargone A isomer        | 0.70   |
| 53.514 | Caryophyllene oxide           | 0.16   |
| 53.595 | Phenethyl tiglate             | 0.58   |
| 54.436 | Geranyl 2-methylbutyrate      | 0.58   |
| 54.863 | Geranyl isovalerate           | 0.12   |
| 55.457 | 1,10-di-epi-Cubenol           | 0.16   |
| 55.846 | Intermedeol                   | 0.11   |
| 56.174 | 1-epi-Cubenol                 | 0.09   |
| 57.020 | Unidentified                  | 0.08   |
| 57.099 | Unidentified                  | 0.07   |
| 57.593 | Unidentified                  | 0.08   |
| 57.738 | Cadin-4-en-10-ol              | 0.07   |
| 58.130 | Citronellyl tiglate           | 0.28   |
| 59.254 | Citronellyl hexanoate         | 0.09   |
| 59.811 | Neryl tiglate                 | 0.06   |
| 60.034 | Geranyl tiglate               | 1.65   |
| 60.999 | Neryl hexanoate               | 0.20   |
| 62.912 | Geranyl hexanoate             | 0.06   |
| 68.028 | Unidentified                  | 0.04   |
| 72.918 | Unidentified                  | 0.04   |
|        |                               | 100.00 |