

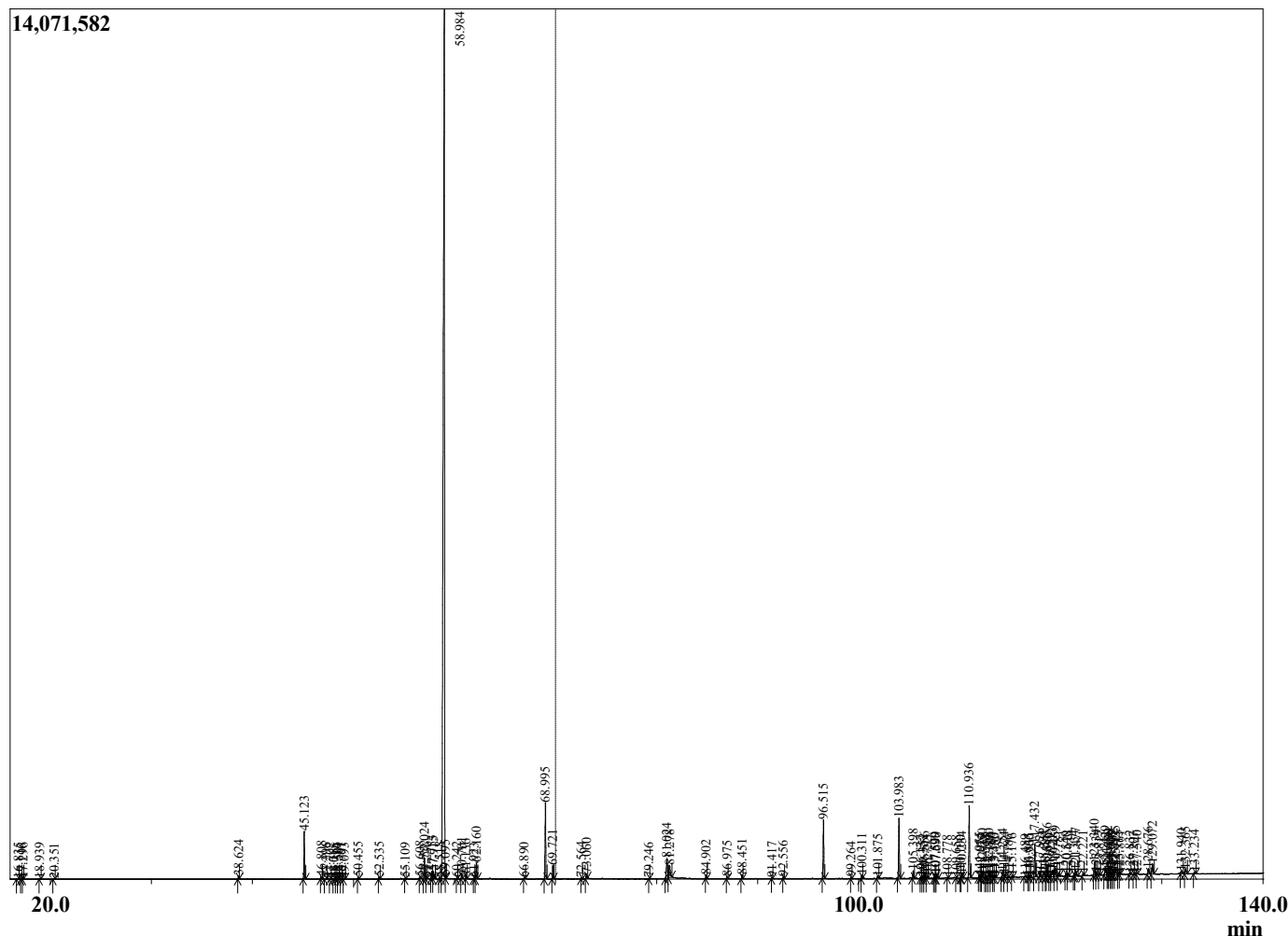
Sample Information

Sample Type : Essential Oil
 Sample Name : Matricaria chamomilla
 Injection Volume : 0.10

German Chamomile CO2
 Lot# 2GEP3-PE
 Country: Germany



Chromatogram Matricaria chamomilla



| R.Time | Name | Area% |
|---------|--------------------------|-------|
| 16.835 | para-Cymene | 0.02 |
| 17.116 | Limonene | 0.01 |
| 17.296 | 1,8-Cineole | 0.01 |
| 18.939 | Artemisia ketone | 0.02 |
| 20.351 | Artemisia alcohol | 0.01 |
| 38.624 | Eugenol | 0.11 |
| 45.123 | trans-beta-Farnesene | 1.76 |
| 46.808 | Germacrene D | 0.09 |
| 47.296 | beta-Selinene | 0.02 |
| 47.702 | Bicyclogermacrene | 0.03 |
| 48.065 | cis-alpha-Bisabolene | 0.02 |
| 48.316 | (E,E)-alpha-Farnesene | 0.02 |
| 48.501 | beta-Bisabolene | 0.06 |
| 48.791 | Unidentified | 0.02 |
| 49.093 | delta-Cadinene | 0.02 |
| 50.455 | trans-alpha-Bisabolene | 0.06 |
| 52.535 | Spathulenol | 0.07 |
| 55.109 | Unidentified | 0.03 |
| 56.608 | Hinesol | 0.08 |
| 57.024 | alpha-Bisabolol oxide B | 0.95 |
| 57.236 | Unidentified | 0.05 |
| 57.753 | trans-Bisabolol-11-ol | 0.35 |
| 57.915 | epi-alpha-Bisabolol | 0.37 |
| 58.518 | alpha-Bisabolone oxide A | 0.05 |
| 58.984 | alpha-Bisabolol | 65.71 |
| 59.095 | Unidentified | 0.07 |
| 60.242 | Unidentified | 0.05 |
| 60.701 | Hernianin | 0.22 |
| 61.136 | Chamazulene | 0.18 |
| 61.923 | gamma-Costol | 0.02 |
| 62.160 | alpha-Bisabolol oxide A | 0.67 |
| 66.890 | Neophytadiene | 0.04 |
| 68.995 | (Z)-Tonghaosu | 3.05 |
| 69.721 | (E)-Tonghaosu | 0.51 |
| 72.564 | Unidentified | 0.05 |
| 73.060 | Palmitic acid | 0.20 |
| 79.246 | Methyl linoleate | 0.02 |
| 81.024 | Linoleic acid | 1.19 |
| 81.278 | Unidentified | 1.03 |
| 84.902 | Unidentified | 0.14 |
| 86.975 | Unidentified | 0.08 |
| 88.451 | Tricosane | 0.18 |
| 91.417 | Matricarin | 0.03 |
| 92.556 | Tetracosane | 0.09 |
| 96.515 | Pentacosane | 2.58 |
| 99.264 | Unidentified | 0.05 |
| 100.311 | Hexacosane | 0.13 |
| 101.875 | Unidentified | 0.11 |
| 103.983 | Octacosane | 2.70 |
| 105.398 | Branched C28 | 0.34 |
| 106.137 | Branched C28 | 0.05 |
| 106.352 | Branched C28 | 0.10 |
| 106.556 | Branched C28 | 0.20 |
| 106.793 | Branched C28 | 0.04 |
| 107.529 | Unidentified | 0.21 |
| 107.599 | Unidentified | 0.13 |

| R.Time | Name | Area% |
|---------|--------------------------|--------|
| 107.690 | Nonacosane | 0.26 |
| 108.778 | Branched C29 | 0.02 |
| 109.658 | Branched C29 | 0.02 |
| 110.100 | Unidentified | 0.03 |
| 110.234 | Unidentified | 0.20 |
| 110.936 | Hentriacontane | 3.26 |
| 111.955 | Branched C31 | 0.15 |
| 112.074 | Branched C31 | 0.09 |
| 112.250 | Branched C31 | 0.31 |
| 112.538 | Branched C31 | 0.05 |
| 112.775 | Branched C31 | 0.10 |
| 112.890 | Branched C31 | 0.37 |
| 113.100 | Branched C31 | 0.21 |
| 113.346 | Branched C31 | 0.12 |
| 113.480 | Branched C31 | 0.09 |
| 114.254 | Dotriacontane | 0.43 |
| 114.374 | Unidentified | 0.19 |
| 114.786 | Unidentified | 0.05 |
| 115.176 | Unidentified | 0.04 |
| 116.489 | Unidentified | 0.05 |
| 116.835 | Unidentified | 0.06 |
| 116.960 | Unidentified | 0.03 |
| 117.432 | Tetratriacontane | 1.55 |
| 117.926 | alpha-Tocopheryl acetate | 0.28 |
| 118.331 | Branched C34 | 0.36 |
| 118.488 | Branched C34 | 0.05 |
| 118.656 | Branched C34 | 0.57 |
| 118.959 | Unidentified | 0.05 |
| 119.213 | Branched C34 | 0.60 |
| 119.459 | Pentatriacontane | 0.66 |
| 119.781 | Branched C35 | 0.18 |
| 120.540 | Branched C35 | 0.18 |
| 120.678 | Unidentified | 0.16 |
| 121.334 | Unidentified | 0.12 |
| 121.477 | Unidentified | 0.34 |
| 122.221 | Unidentified | 0.11 |
| 123.340 | Unidentified | 0.65 |
| 123.534 | Heptatriacontane | 0.16 |
| 123.817 | Unidentified | 0.08 |
| 124.429 | beta-Amyrin acetate | 0.45 |
| 124.680 | Branched C37 | 0.12 |
| 124.779 | Unidentified | 0.19 |
| 124.968 | Unidentified | 0.05 |
| 125.049 | Unidentified | 0.08 |
| 125.202 | Branched C37 | 0.20 |
| 125.425 | Branched C37 | 0.40 |
| 125.715 | Branched C37 | 0.07 |
| 125.861 | Unidentified | 0.05 |
| 126.832 | Unidentified | 0.07 |
| 127.207 | Unidentified | 0.02 |
| 127.540 | Unidentified | 0.05 |
| 128.676 | Unidentified | 0.30 |
| 129.072 | Unidentified | 0.72 |
| 131.940 | Unidentified isomer 1 | 0.21 |
| 132.365 | Unidentified isomer 1 | 0.30 |
| 133.234 | Unidentified | 0.09 |
| | | 100.00 |