

Sample Information

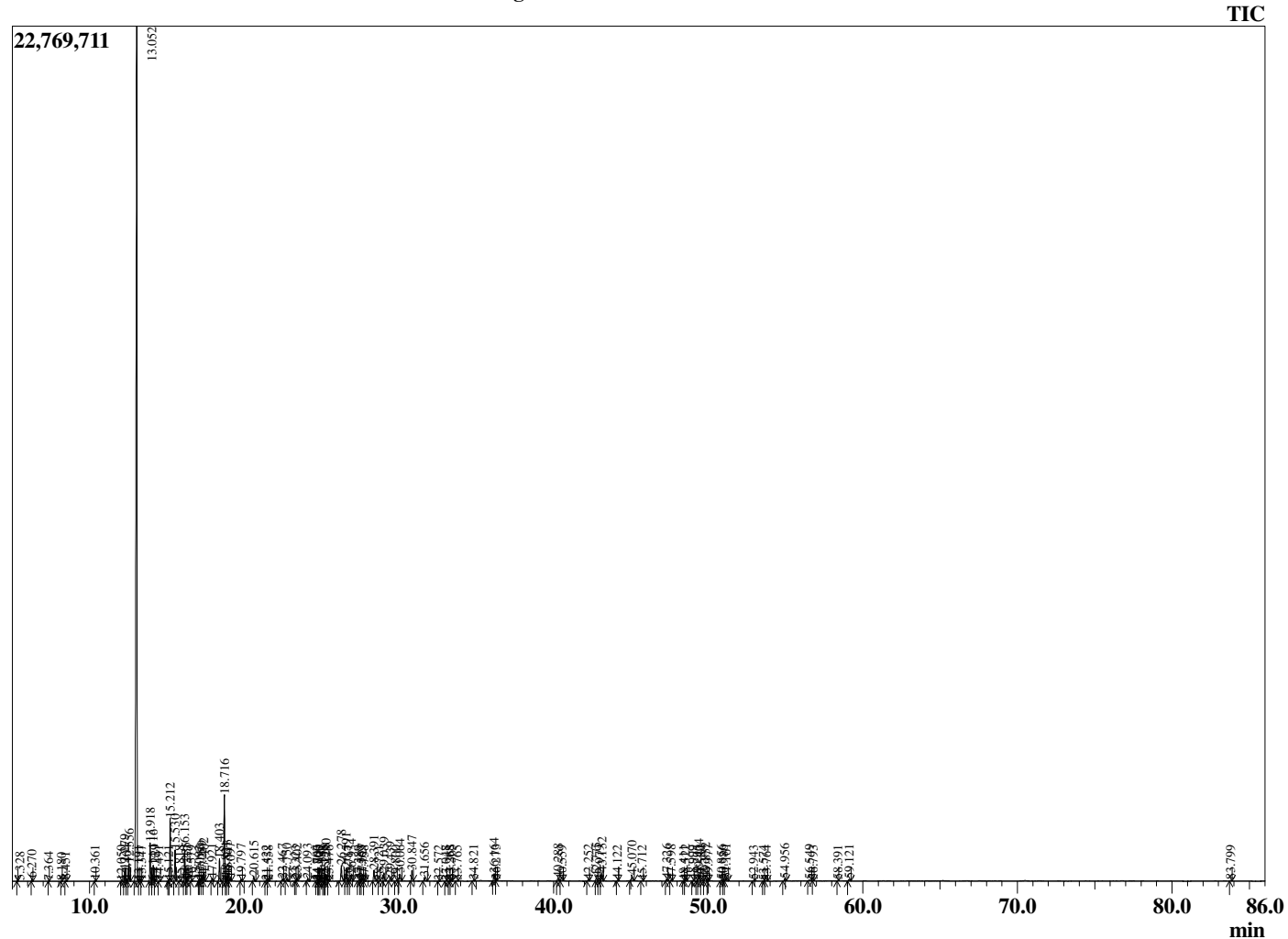
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 10/18/2020 10:50:58 AM
 Sample Type : Essential Oil
 Sample Name : Boswellia sacra - Edens Garden
 Sample ID : BA29IS
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

| R.Time | Name | Area% |
|--------|---------------------------------|-------|
| 3.773 | Unidentified | 0.02 |
| 5.328 | 2,5,5-trimethyl-cyclopentadiene | 0.01 |
| 6.270 | Toluene | 0.10 |
| 7.364 | Unidentified | 0.01 |
| 8.180 | Unidentified | 0.01 |
| 8.451 | 6,6-Dimethylhepta-2,4-diene | 0.05 |
| 10.361 | Unidentified | 0.04 |
| 12.050 | 2,5-Dimethyl-1,5-hexadien-3-ol | 0.01 |
| 12.279 | Hashishene | 0.59 |
| 12.404 | Tricyclene | 0.08 |
| 12.556 | alpha-Thujene | 0.93 |
| 13.052 | alpha-Pinene | 66.50 |
| 13.191 | Unidentified | 0.01 |
| 13.347 | Unidentified | 0.00 |
| 13.918 | Camphene | 2.07 |
| 14.116 | Thuja-2,4(10)diene | 0.85 |
| 14.229 | Unidentified | 0.07 |
| 14.491 | Unidentified | 0.02 |
| 15.121 | Unidentified | 0.04 |
| 15.212 | Sabinene | 3.44 |
| 15.530 | beta-Pinene | 1.74 |
| 15.818 | Unidentified | 0.03 |
| 16.153 | Myrcene | 1.79 |
| 16.235 | Unidentified | 0.15 |
| 16.317 | Sulcatol | 0.01 |
| 16.579 | Unidentified | 0.04 |
| 17.092 | Psuedolimonene | 0.02 |
| 17.160 | Unidentified | 0.16 |
| 17.259 | alpha-Phellandrene | 0.35 |
| 17.402 | delta-3-Carene | 0.45 |
| 17.921 | alpha-Terpinene | 0.17 |
| 18.403 | para-Cymene | 1.34 |
| 18.716 | Limonene | 5.19 |
| 18.821 | beta-Phellandrene | 0.23 |
| 18.913 | 1,8-Cineole | 0.34 |
| 19.097 | (Z)-beta-Ocimene | 0.21 |
| 19.797 | (E)-beta-Ocimene | 0.12 |
| 20.615 | gamma-Terpinene | 0.32 |
| 21.422 | trans-Sabinene hydrate | 0.02 |
| 21.558 | Pinol | 0.03 |
| 22.467 | Terpinolene | 0.16 |
| 22.750 | Dehydro-para-cymene | 0.22 |
| 23.323 | Perillene | 0.03 |
| 23.402 | Linalool | 0.15 |
| 24.093 | Unidentified | 0.12 |
| 24.707 | Unidentified | 0.05 |
| 24.760 | Unidentified | 0.01 |
| 24.800 | Unidentified | 0.01 |
| 24.935 | trans-para-Mentha-2,8-dien-1-ol | 0.01 |
| 25.158 | Unidentified | 0.02 |
| 25.228 | Unidentified | 0.09 |
| 25.290 | alpha-Campholenal | 0.49 |
| 25.476 | Unidentified | 0.04 |
| 26.278 | trans-Pinocarveol | 1.27 |
| 26.591 | trans-Verbenol | 0.86 |
| 26.717 | Camphor | 0.04 |
| 26.934 | alpha-Phellandrene-8-ol | 0.45 |
| 27.389 | Sabina ketone | 0.04 |
| 27.563 | Unidentified | 0.04 |
| 27.627 | trans-Pinocamphone | 0.20 |
| 27.758 | Pinocarvone | 0.02 |
| 28.391 | para-Mentha-1,5-dien-8-ol | 0.81 |

Chromatogram Boswellia sacra - Edens Garden



Comments:

The analysis of this Frankincense - sacra batch sample meets the expected chemical profile for authentic essential oil of *Boswellia sacra*. No contamination or adulteration was detected. The results provided in this GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

| R.Time | Name | Area% |
|--------|-----------------------------|--------|
| 28.721 | Isopinocampone | 0.02 |
| 29.039 | Terpinen-4-ol | 0.58 |
| 29.439 | para-Cymen-8-ol | 0.31 |
| 29.800 | Unidentified | 0.03 |
| 30.064 | Myrtenol | 0.68 |
| 30.847 | Verbenone | 0.75 |
| 31.656 | trans-Carveol | 0.27 |
| 32.572 | cis-Carveol | 0.04 |
| 33.048 | Unidentified | 0.02 |
| 33.268 | Cuminal | 0.03 |
| 33.365 | Carvone | 0.08 |
| 33.765 | Linalyl acetate | 0.04 |
| 34.821 | Unidentified | 0.07 |
| 36.164 | Bornyl acetate | 0.52 |
| 36.273 | Unidentified | 0.04 |
| 40.288 | alpha-Terpinyl acetate | 0.22 |
| 40.559 | Eugenol | 0.04 |
| 42.252 | alpha-Copaene | 0.09 |
| 42.775 | beta-Bourbonene | 0.27 |
| 42.979 | alpha-Bourbonene | 0.03 |
| 43.132 | beta-Elemene | 0.62 |
| 44.122 | Unidentified | 0.03 |
| 45.070 | beta-Caryophyllene | 0.42 |
| 45.712 | beta-Copaene | 0.03 |
| 47.326 | alpha-Humulene | 0.14 |
| 47.598 | Alloaromadendrene | 0.06 |
| 48.411 | Unidentified | 0.02 |
| 48.522 | trans-Cadina-1(6),4-diene | 0.07 |
| 48.999 | Unidentified | 0.05 |
| 49.295 | beta-Guaiene | 0.04 |
| 49.404 | beta-Selinene | 0.50 |
| 49.584 | trans-Muurolo-4(14),5-diene | 0.03 |
| 49.832 | alpha-Selinene | 0.25 |
| 49.977 | alpha-Muurolole | 0.05 |
| 50.856 | gamma-Cadinene | 0.07 |
| 50.986 | Cubebol | 0.03 |
| 51.161 | delta-Cadinene | 0.18 |
| 52.943 | Elemol | 0.04 |
| 53.574 | Unidentified | 0.02 |
| 53.764 | Unidentified | 0.04 |
| 54.956 | Caryophyllene oxide | 0.19 |
| 56.549 | Humulene epoxide II | 0.09 |
| 56.793 | 10-epi-gamma-Eudesmol | 0.03 |
| 58.391 | tau-Cadinol | 0.03 |
| 59.121 | alpha-Eudesmol | 0.15 |
| 83.799 | Serratol | 0.04 |
| | | 100.00 |