

Sample Information

Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 9/7/2019 11:25:26 PM  
 Sample Type : Essential Oil  
 Sample Name : Frankincense - sacra - Edens Garden  
 Sample ID : AI05HA  
 Injection Volume : 0.10  
 Instrument ID : GC-4

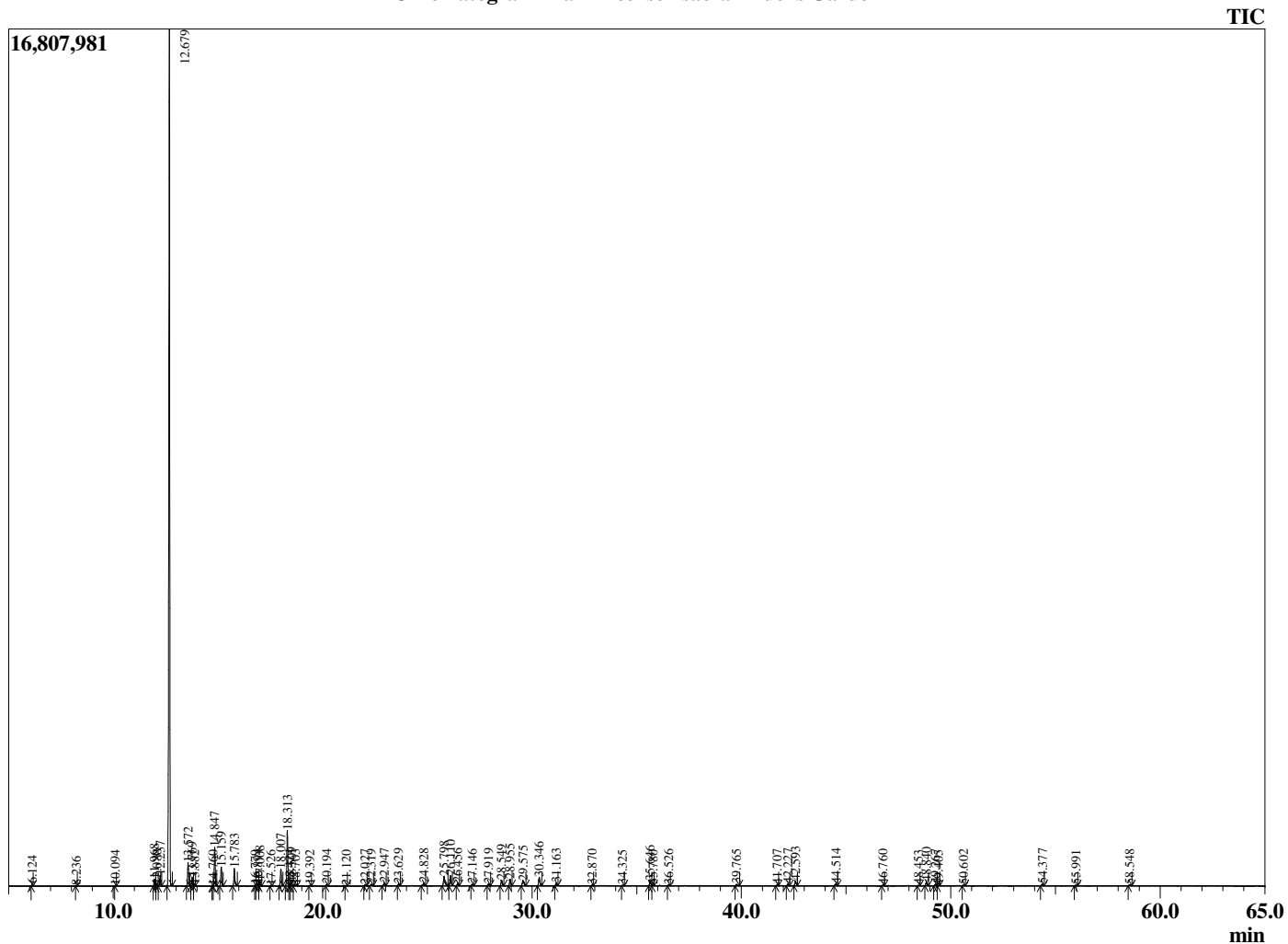


Peak Report TIC

| R.Time | Name                        | Area%  |
|--------|-----------------------------|--------|
| 6.124  | Toluene                     | 0.11   |
| 8.236  | 6,6-Dimethylhepta-2,4-diene | 0.03   |
| 10.094 | Unidentified                | 0.02   |
| 11.968 | Hashishene                  | 0.52   |
| 12.088 | Tricyclene                  | 0.07   |
| 12.237 | alpha-Thujene               | 0.77   |
| 12.679 | alpha-Pinene                | 71.05  |
| 13.572 | Camphene                    | 1.86   |
| 13.769 | Thuja-2,4(10)diene          | 0.69   |
| 13.882 | Unidentified                | 0.06   |
| 14.760 | Unidentified                | 0.03   |
| 14.847 | Sabinene                    | 3.20   |
| 15.159 | beta-Pinene                 | 1.59   |
| 15.783 | Myrcene                     | 1.54   |
| 16.779 | Unidentified                | 0.04   |
| 16.894 | para-Methylanisole          | 0.20   |
| 17.008 | delta-3-Carene              | 0.42   |
| 17.526 | alpha-Terpinene             | 0.04   |
| 18.007 | para-Cymene                 | 1.53   |
| 18.313 | Limonene                    | 4.96   |
| 18.421 | beta-Phellandrene           | 0.17   |
| 18.509 | 1,8-Cineole                 | 0.35   |
| 18.703 | cis-beta-Ocimene            | 0.16   |
| 19.392 | trans-beta-Ocimene          | 0.06   |
| 20.194 | gamma-Terpinene             | 0.13   |
| 21.120 | Pinol                       | 0.04   |
| 22.027 | Unidentified                | 0.11   |
| 22.319 | para-Cymenene               | 0.19   |
| 22.947 | alpha-Pinene oxide          | 0.30   |
| 23.629 | Thujol isomer               | 0.18   |
| 24.828 | alpha-Campholenal           | 0.34   |
| 25.798 | trans-Pinocarveol           | 1.15   |
| 26.110 | trans-Verbenol              | 0.99   |
| 26.456 | alpha-Phellandren-8-ol      | 0.28   |
| 27.146 | Pinocamphone                | 0.14   |
| 27.919 | para-Mentha-1,5-dien-8-ol   | 0.20   |
| 28.549 | Terpinen-4-ol               | 0.57   |
| 28.955 | para-Cymen-8-ol             | 0.67   |
| 29.575 | Myrtenal                    | 0.71   |
| 30.346 | Verbenone                   | 0.92   |
| 31.163 | trans-Carveol               | 0.27   |
| 32.870 | Carvone                     | 0.06   |
| 34.325 | Unidentified                | 0.06   |
| 35.646 | Bornyl acetate              | 0.50   |
| 35.780 | Unidentified                | 0.05   |
| 36.526 | Unidentified                | 0.10   |
| 39.765 | alpha-Terpinyl acetate      | 0.20   |
| 41.707 | alpha-Copaene               | 0.08   |
| 42.227 | beta-Bourbonene             | 0.22   |
| 42.593 | beta-Elemene                | 0.48   |
| 44.514 | beta-Caryophyllene          | 0.26   |
| 46.760 | alpha-Humulene              | 0.09   |
| 48.453 | Unidentified                | 0.05   |
| 48.840 | beta-Selinene               | 0.38   |
| 49.267 | alpha-Selinene              | 0.19   |
| 49.405 | alpha-Murolene              | 0.05   |
| 50.602 | delta-Cadinene              | 0.11   |
| 54.377 | Caryophyllene oxide         | 0.23   |
| 55.991 | Humulene epoxide II         | 0.10   |
| 58.548 | alpha-Eudesmol              | 0.14   |
|        |                             | 100.00 |

This report is valid for 1 year from the analyzed date.

Chromatogram Frankincense - 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.