

## Sample Information

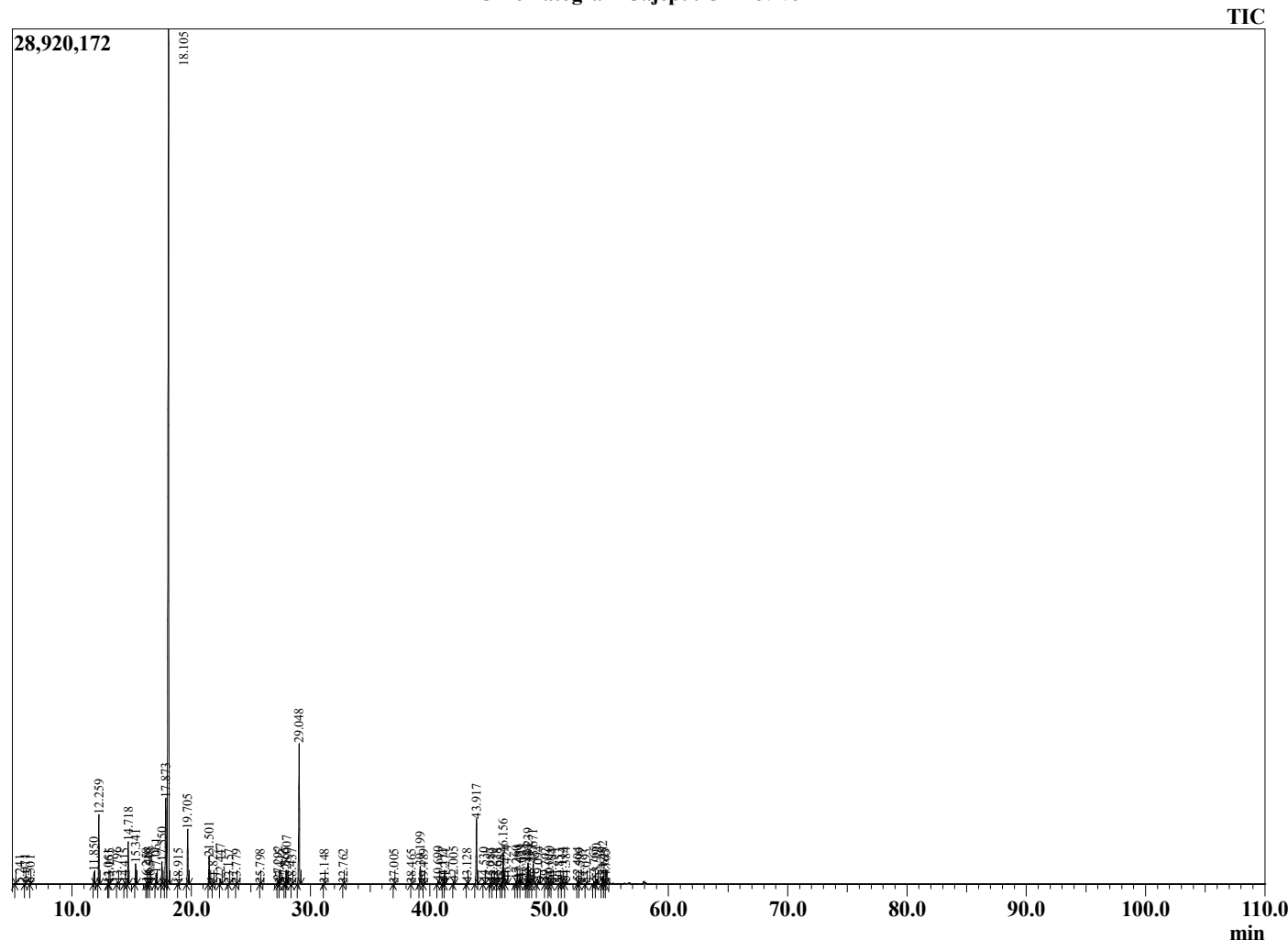
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 2/22/2023 5:20:44 PM  
 Sample Type : Essential Oil  
 Sample Name : Cajeput Oil Revive  
 Sample ID : 9N  
 Injection Volume : 0.10  
 Instrument ID: : GC-4



## Peak Report TIC

| R.Time | Name                      | Area% |
|--------|---------------------------|-------|
| 4.040  | 3-Methylbutanal           | 0.01  |
| 4.143  | 2-Methylbutanal           | 0.02  |
| 5.241  | sec-butyl Carbinol        | 0.01  |
| 6.071  | Methyl 2-methylbutyrate   | 0.04  |
| 6.501  | Acetylbutyryl             | 0.01  |
| 11.850 | alpha-Thujene             | 0.47  |
| 12.259 | alpha-Pinene              | 2.83  |
| 13.061 | alpha-Fenchene            | 0.01  |
| 13.155 | Camphene                  | 0.03  |
| 13.796 | Benzaldehyde              | 0.07  |
| 14.415 | Sabinene                  | 0.05  |
| 14.718 | beta-Pinene               | 1.85  |
| 15.341 | Myrcene                   | 0.89  |
| 16.258 | Pseudolimonene            | 0.06  |
| 16.403 | alpha-Phellandrene        | 0.13  |
| 16.548 | delta-3-Carene            | 0.04  |
| 17.061 | alpha-Terpinene           | 0.54  |
| 17.550 | para-Cymene               | 1.15  |
| 17.873 | Limonene                  | 5.91  |
| 18.105 | 1,8-cineole               | 57.24 |
| 18.915 | trans-beta-Ocimene        | 0.03  |
| 19.705 | gamma-Terpinene           | 2.76  |
| 21.501 | Terpinolene               | 1.37  |
| 21.822 | para-Cymenene             | 0.04  |
| 22.447 | Linalool                  | 0.28  |
| 23.157 | trans-Rose oxide          | 0.01  |
| 23.779 | Fenchyl alcohol           | 0.01  |
| 25.798 | unidentified              | 0.01  |
| 27.292 | delta-Terpineol           | 0.17  |
| 27.415 | Borneol                   | 0.01  |
| 27.866 | 1,8-menthadien-4-ol       | 0.06  |
| 28.007 | Terpinen-4-ol             | 0.79  |
| 28.437 | para-Cymen-8-ol           | 0.03  |
| 29.048 | para-Terpineol            | 8.50  |
| 31.148 | 3,7-dimethyl Oct-7-enol   | 0.02  |
| 32.762 | Nerol                     | 0.01  |
| 37.005 | delta-Terpinyl acetate    | 0.02  |
| 38.465 | delta-Elemene             | 0.03  |
| 39.199 | gamma-Terpinyl acetate    | 1.03  |
| 39.489 | Eugenol                   | 0.01  |
| 40.690 | alpha-Ylangene            | 0.17  |
| 41.117 | alpha-Copaene             | 0.12  |
| 41.274 | Geranyl acetate           | 0.01  |
| 42.005 | beta-Elemene              | 0.14  |
| 43.128 | alpha-Gurjunene           | 0.06  |
| 43.917 | beta-Caryophyllene        | 4.16  |
| 44.530 | gamma-Elemene             | 0.10  |
| 45.087 | beta-Copaene              | 0.09  |
| 45.279 | Guaia-6,9-diene           | 0.06  |
| 45.628 | Isodene                   | 0.05  |
| 45.987 | Valerena-4,7(11)-diene    | 0.03  |
| 46.156 | alpha-Humulene            | 1.91  |
| 46.424 | trans-9-epi-Caryophyllene | 0.23  |
| 47.260 | unidentified              | 0.23  |
| 47.481 | unidentified              | 0.30  |
| 47.629 | unidentified              | 0.31  |
| 48.124 | delta-Selinene            | 0.30  |
| 48.239 | beta-Selinene             | 1.42  |
| 48.359 | Viridiflorene             | 0.21  |
| 48.671 | alpha-Selinene            | 1.31  |
| 49.094 | delta-Amorphene           | 0.27  |
| 49.702 | gamma-Cadinene            | 0.08  |

## Chromatogram Cajeput Oil Revive



## Comments:

The analysis of this Cajeput batch sample meets the expected chemical profile for authentic essential oil of *Melaleuca cajuputi*. 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%  |
|--------|--------------------------|--------|
| 50.010 | delta-Cadinene           | 0.21   |
| 50.284 | Zonarene                 | 0.04   |
| 50.853 | unidentified             | 0.03   |
| 51.114 | Selina-4(15),7(11)-diene | 0.10   |
| 51.384 | Selina-3,7(11)-diene     | 0.13   |
| 52.404 | Germacrene B             | 0.13   |
| 52.599 | unidentified             | 0.04   |
| 53.093 | unidentified             | 0.02   |
| 53.765 | Caryophyllene oxide      | 0.18   |
| 53.990 | unidentified             | 0.32   |
| 54.492 | Viridiflorol             | 0.52   |
| 54.625 | Unidentified             | 0.13   |
| 54.765 | unidentified             | 0.01   |
|        |                          | 100.00 |