

## Sample Information

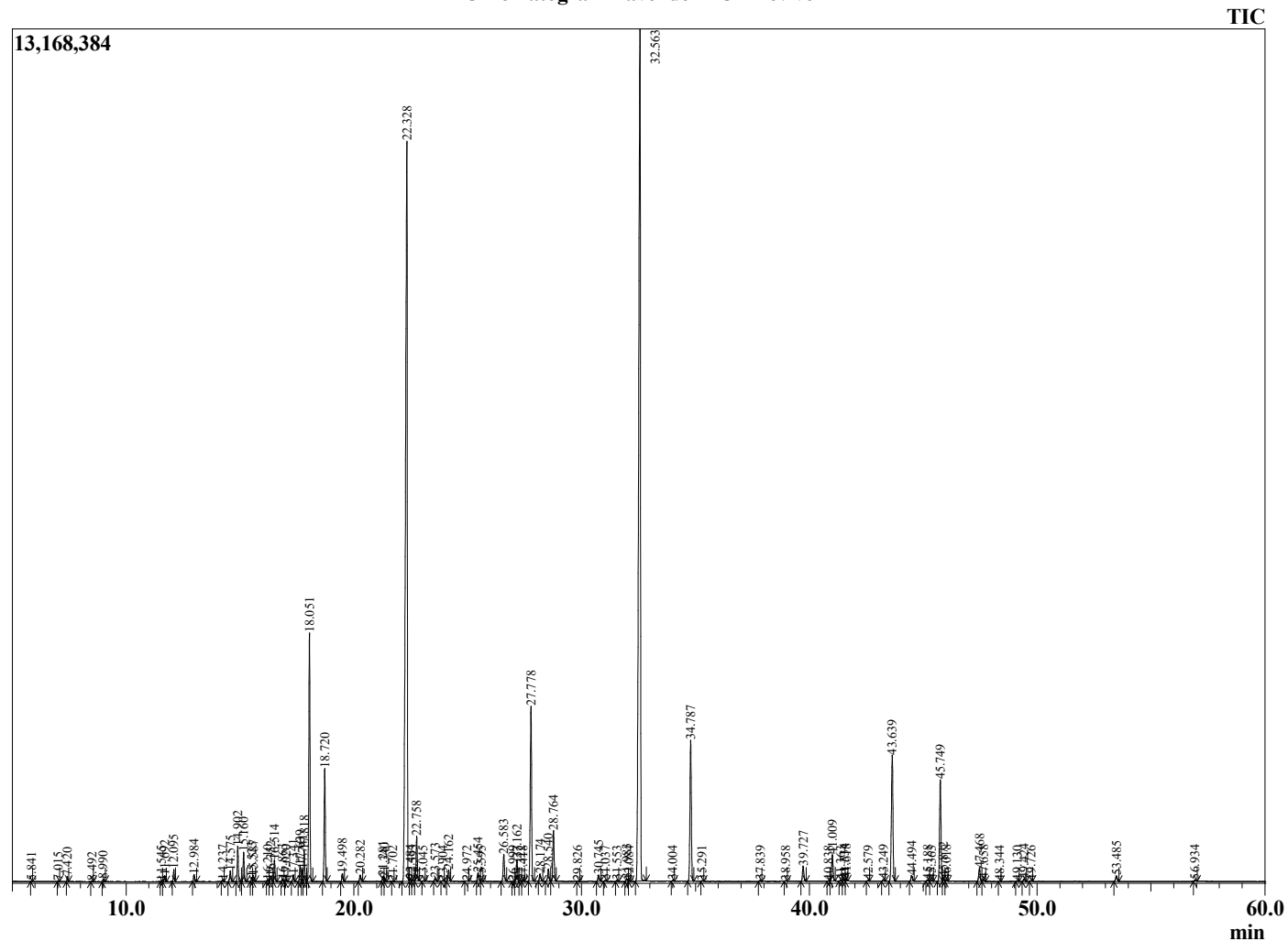
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 08/16/2024 7:52:21 AM  
 Sample Type : Essential Oil  
 Sample Name : Lavender EO  
 Sample ID : 9E  
 Injection Volume : 0.10  
 Instrument ID: : GC-4



## Peak Report TIC

| R.Time | Name                            | Area% |
|--------|---------------------------------|-------|
| 4.302  | 3-Penten-2-ol                   | 0.01  |
| 5.841  | Toluene                         | 0.01  |
| 7.015  | Butyl acetate                   | 0.01  |
| 7.420  | Diola                           | 0.08  |
| 8.492  | Hex-(3Z)-enol                   | 0.01  |
| 8.990  | Hexanol                         | 0.04  |
| 11.545 | Tricyclene                      | 0.02  |
| 11.692 | alpha-Thujene                   | 0.12  |
| 12.095 | alpha-Pinene                    | 0.25  |
| 12.984 | Camphene                        | 0.16  |
| 14.237 | Sabinene                        | 0.04  |
| 14.575 | 1-Octen-3-ol                    | 0.27  |
| 14.902 | 3-Octanone                      | 0.79  |
| 15.160 | Myrcene                         | 0.68  |
| 15.523 | Butyl butyrate                  | 0.09  |
| 15.587 | 3-Octanol                       | 0.15  |
| 16.210 | alpha-Phellandrene              | 0.04  |
| 16.352 | delta-3-Carene                  | 0.12  |
| 16.514 | Hexyl acetate                   | 0.49  |
| 16.863 | alpha-Terpinene                 | 0.06  |
| 17.020 | ortho-Cymene                    | 0.05  |
| 17.341 | para-Cymene                     | 0.17  |
| 17.639 | Limonene                        | 0.40  |
| 17.741 | beta-Phellandrene               | 0.29  |
| 17.818 | 1,8-Cineole                     | 0.75  |
| 18.051 | cis-beta-Ocimene                | 5.93  |
| 18.720 | trans-beta-Ocimene              | 2.77  |
| 19.498 | gamma-Terpinene                 | 0.20  |
| 20.282 | cis-Linalool oxide (furanoid)   | 0.18  |
| 21.281 | Terpinolene                     | 0.14  |
| 21.340 | trans-Linalool oxide (furanoid) | 0.07  |
| 21.702 | Rosefuran                       | 0.01  |
| 22.328 | Linalool                        | 28.22 |
| 22.484 | Hotrienol                       | 0.05  |
| 22.593 | Hexyl propionate                | 0.05  |
| 22.758 | 1-Octen-3-yl acetate            | 1.14  |
| 23.045 | Unidentified                    | 0.01  |
| 23.573 | 3-Octyl acetate                 | 0.08  |
| 23.904 | cis-para-Menth-2-en-1-ol        | 0.03  |
| 24.162 | allo-Ocimene                    | 0.29  |
| 24.972 | Unidentified                    | 0.02  |
| 25.454 | Camphor                         | 0.27  |
| 25.595 | Unidentified                    | 0.02  |
| 26.583 | Lavandulol                      | 0.76  |
| 26.999 | cis-Linalool oxide (pyranoid)   | 0.01  |
| 27.162 | Borneol                         | 0.61  |
| 27.322 | trans-Linalool oxide (pyranoid) | 0.02  |
| 27.418 | (3E,5E)-Undeca-1,3,5-triene     | 0.03  |
| 27.778 | Terpinen-4-ol                   | 4.96  |
| 28.174 | Cryptone                        | 0.20  |
| 28.540 | Hexyl butyrate                  | 0.36  |
| 28.764 | alpha-Terpineol                 | 1.42  |
| 29.826 | Octyl acetate                   | 0.02  |
| 30.745 | Nerol                           | 0.18  |
| 31.037 | Bornyl formate                  | 0.03  |
| 31.553 | Hexyl 2-methylbutyrate          | 0.03  |
| 31.983 | Cuminal                         | 0.08  |
| 32.084 | Carvone                         | 0.02  |
| 32.563 | Linalyl acetate                 | 32.59 |
| 34.004 | Isopulegyl acetate              | 0.02  |
| 34.787 | Lavandulyl acetate              | 4.17  |
| 35.291 | para-Cymen-7-ol                 | 0.02  |

## Chromatogram Lavender EO - Revive



## Comments:

The analysis of this Lavender EO batch sample meets the expected chemical profile for authentic essential oil of *Lavandula angustifolia*. No contamination or adulteration was detected. The results provided in this GC/MS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

| R.Time | Name                        | Area%  |
|--------|-----------------------------|--------|
| 37.839 | Hexyl tiglate               | 0.03   |
| 38.958 | Unidentified                | 0.02   |
| 39.727 | Neryl acetate               | 0.44   |
| 40.838 | alpha-Copaene               | 0.01   |
| 41.009 | Geranyl acetate             | 0.77   |
| 41.363 | beta-Bourbonene             | 0.02   |
| 41.534 | Hexyl hexanoate             | 0.07   |
| 41.618 | 7-epi-Sesquithujene         | 0.07   |
| 42.579 | alpha-Funebrene             | 0.02   |
| 43.249 | cis-alpha-Bergamotene       | 0.05   |
| 43.639 | beta-Caryophyllene          | 4.15   |
| 44.494 | trans-alpha-Bergamotene     | 0.17   |
| 45.188 | Unidentified                | 0.04   |
| 45.363 | epi-beta-Santalene          | 0.02   |
| 45.749 | trans-beta-Farnesene        | 3.05   |
| 45.872 | alpha-Humulene              | 0.11   |
| 46.018 | Sesquisabinene              | 0.03   |
| 47.468 | trans-Muurola-4(14),5-diene | 0.39   |
| 47.658 | trans-beta-Bergamotene      | 0.06   |
| 48.344 | Unidentified                | 0.01   |
| 49.130 | beta-Bisabolene             | 0.03   |
| 49.424 | gamma-Cadinene              | 0.09   |
| 49.726 | Unidentified                | 0.02   |
| 53.485 | Caryophyllene oxide         | 0.19   |
| 56.934 | tau-Cadinol                 | 0.04   |
|        |                             | 100.00 |