

## Sample Information

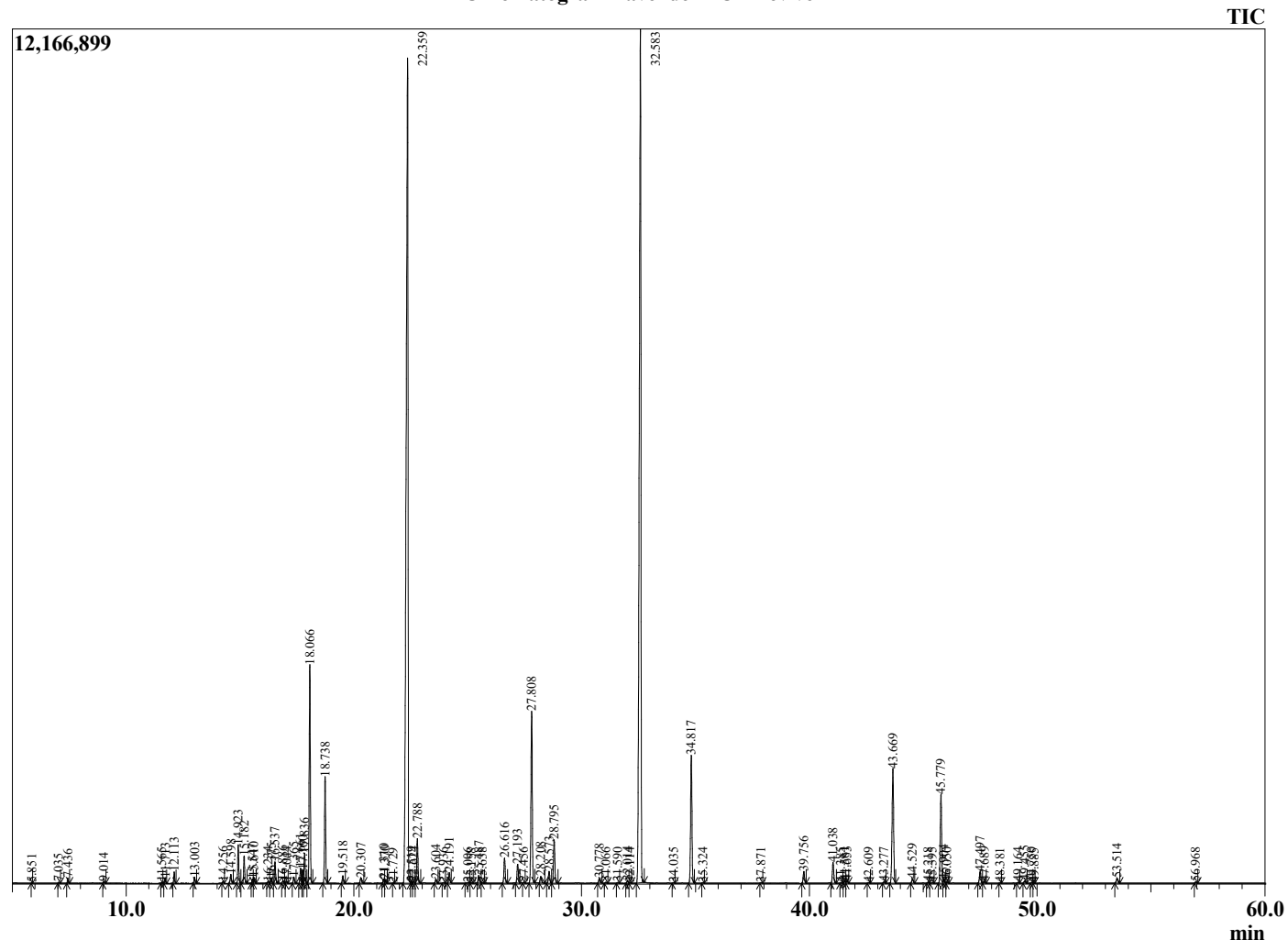
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 03/06/2024 6:57:36 PM  
 Sample Type : Essential Oil  
 Sample Name : Lavender EO  
 Sample ID : 9E  
 Injection Volume : 0.10  
 Instrument ID: : GC-4



## Peak Report TIC

| R.Time | Name                            | Area% |
|--------|---------------------------------|-------|
| 3.571  | Unidentified                    | 0.01  |
| 3.987  | 3-Methylbutanal                 | 0.01  |
| 5.851  | Toluene                         | 0.00  |
| 7.035  | Butyl acetate                   | 0.02  |
| 7.436  | 1-Methoxyhexane                 | 0.09  |
| 9.014  | Hexanol                         | 0.04  |
| 11.565 | Tricyclene                      | 0.02  |
| 11.713 | alpha-Thujene                   | 0.11  |
| 12.113 | alpha-Pinene                    | 0.23  |
| 13.003 | Camphene                        | 0.14  |
| 14.256 | Sabinene                        | 0.04  |
| 14.598 | 1-Octen-3-ol                    | 0.24  |
| 14.923 | 3-Octanone                      | 0.87  |
| 15.182 | Myrcene                         | 0.64  |
| 15.547 | Butyl butyrate                  | 0.09  |
| 15.610 | Octan-3-ol                      | 0.14  |
| 16.234 | alpha-Phellandrene              | 0.03  |
| 16.375 | delta-3-Carene                  | 0.12  |
| 16.537 | Hexyl acetate                   | 0.53  |
| 16.886 | alpha-Terpinene                 | 0.06  |
| 17.044 | ortho-Cymene                    | 0.04  |
| 17.365 | para-Cymene                     | 0.16  |
| 17.661 | Limonene                        | 0.38  |
| 17.760 | beta-Phellandrene               | 0.29  |
| 17.836 | 1,8-Cineole                     | 0.75  |
| 18.066 | cis-beta-Ocimene                | 5.35  |
| 18.738 | trans-beta-Ocimene              | 2.59  |
| 19.518 | gamma-Terpinene                 | 0.19  |
| 20.307 | cis-Linalool oxide (furanoid)   | 0.16  |
| 21.310 | Terpinolene                     | 0.12  |
| 21.370 | trans-Linalool oxide (furanoid) | 0.07  |
| 21.729 | Unidentified                    | 0.01  |
| 22.359 | Linalool                        | 32.61 |
| 22.519 | Hotrienol                       | 0.04  |
| 22.624 | Hexyl propionate                | 0.04  |
| 22.788 | 1-Octen-3-yl acetate            | 1.18  |
| 23.604 | 3-Octyl acetate                 | 0.10  |
| 23.936 | cis-para-Menth-2-en-1-ol        | 0.02  |
| 24.191 | allo-Ocimene                    | 0.27  |
| 25.006 | Unidentified                    | 0.02  |
| 25.158 | trans-para-Menth-2-en-1-ol      | 0.01  |
| 25.487 | Camphor                         | 0.24  |
| 25.638 | Unidentified                    | 0.01  |
| 26.616 | Lavandulol                      | 0.71  |
| 27.193 | Borneol                         | 0.53  |
| 27.456 | Undeca-1,3,5-triene isomer      | 0.02  |
| 27.808 | Terpinen-4-ol                   | 4.97  |
| 28.208 | Cryptone                        | 0.19  |
| 28.573 | Hexyl butyrate                  | 0.36  |
| 28.795 | alpha-Terpineol                 | 1.25  |
| 30.778 | Nerol                           | 0.14  |
| 31.066 | Bornyl formate                  | 0.03  |
| 31.590 | Hexyl 2-methylbutyrate          | 0.03  |
| 32.014 | Cuminal                         | 0.07  |
| 32.114 | Carvone                         | 0.02  |
| 32.583 | Linalyl acetate                 | 30.97 |
| 34.035 | Isopulegyl acetate              | 0.02  |
| 34.817 | Lavandulyl acetate              | 3.80  |
| 35.324 | para-Cymen-7-ol                 | 0.02  |
| 37.871 | Hexyl tiglate                   | 0.02  |
| 39.756 | Neryl acetate                   | 0.34  |
| 41.038 | Geranyl acetate                 | 0.63  |

## Chromatogram Lavender EO - Revive



## Comments:

The analysis of this Lavender 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 GCMS quality analysis reflect the chemical composition of the oil and lot referenced above on the date of analysis.

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| R.Time | Name                    | Area%  |
|--------|-------------------------|--------|
| 41.385 | beta-Bourbonene         | 0.01   |
| 41.561 | Hexyl hexanoate         | 0.06   |
| 41.653 | 7-epi-Sesquithujene     | 0.06   |
| 42.609 | alpha-Funebrene         | 0.02   |
| 43.277 | cis-alpha-Bergamotene   | 0.04   |
| 43.669 | beta-Caryophyllene      | 3.84   |
| 44.529 | trans-alpha-Bergamotene | 0.14   |
| 45.218 | Unidentified            | 0.03   |
| 45.395 | beta-Santalene          | 0.02   |
| 45.779 | trans-beta-Farnesene    | 2.76   |
| 45.904 | alpha-Humulene          | 0.10   |
| 46.050 | Sesquisabinene          | 0.03   |
| 47.497 | Germacrene D            | 0.36   |
| 47.689 | trans-beta-Bergamotene  | 0.05   |
| 48.381 | Bicyclogermacrene       | 0.01   |
| 49.164 | beta-Bisabolene         | 0.02   |
| 49.455 | gamma-Cadinene          | 0.07   |
| 49.750 | Unidentified            | 0.02   |
| 49.885 | Unidentified            | 0.01   |
| 53.514 | Caryophyllene oxide     | 0.16   |
| 56.968 | tau-Cadinol             | 0.03   |
|        |                         | 100.00 |