

## Sample Information

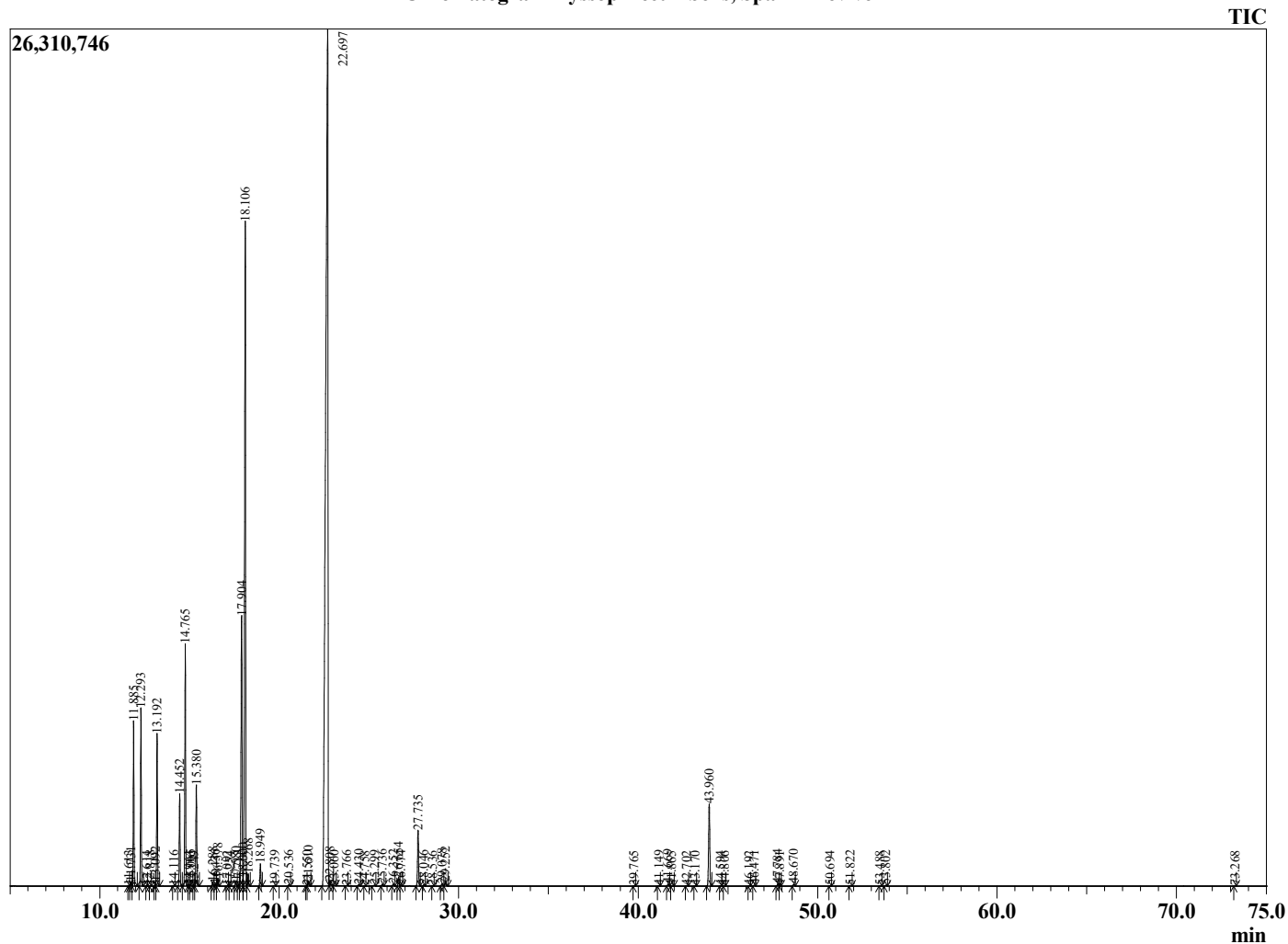
Analyzed by : Dr. Robert S. Pappas  
 Analyzed : 6/13/2022 3:52:46 AM  
 Sample Type : Essential Oil  
 Sample Name : Hyssop Decumbens, Spain - Revive  
 Sample ID : 4C  
 Injection Volume : 0.10  
 Instrument ID : GC-4



## Peak Report TIC

| R.Time | Name                            | Area% |
|--------|---------------------------------|-------|
| 4.037  | 3-Methylbutanal                 | 0.00  |
| 11.613 | Hashishene                      | 0.01  |
| 11.731 | Tricyclene                      | 0.08  |
| 11.885 | alpha-Thujene                   | 3.06  |
| 12.293 | alpha-Pinene                    | 3.45  |
| 12.614 | Unidentified                    | 0.01  |
| 12.818 | Thujadiene isomer               | 0.01  |
| 13.092 | alpha-Fenchene                  | 0.08  |
| 13.192 | Camphene                        | 3.04  |
| 14.116 | Unidentified                    | 0.01  |
| 14.452 | Sabinene                        | 1.91  |
| 14.765 | beta-Pinene                     | 5.10  |
| 14.964 | Unidentified                    | 0.01  |
| 15.065 | Unidentified                    | 0.04  |
| 15.249 | 3-para-Menthene                 | 0.01  |
| 15.380 | Myrcene                         | 2.12  |
| 16.288 | Pseudolimonene                  | 0.10  |
| 16.436 | alpha-Phellandrene              | 0.04  |
| 16.578 | delta-3-Carene                  | 0.17  |
| 17.092 | alpha-Terpinene                 | 0.01  |
| 17.254 | ortho-Cymene                    | 0.00  |
| 17.580 | para-Cymene                     | 0.11  |
| 17.713 | Unidentified                    | 0.01  |
| 17.904 | Limonene                        | 7.46  |
| 18.000 | beta-Phellandrene               | 0.06  |
| 18.106 | 1,8-Cineole                     | 16.99 |
| 18.268 | cis-beta-Ocimene                | 0.28  |
| 18.949 | trans-Ocimene                   | 0.50  |
| 19.739 | gamma-Terpinene                 | 0.02  |
| 20.536 | cis-Linalool oxide (furanoid)   | 0.03  |
| 21.550 | Unidentified                    | 0.01  |
| 21.610 | trans-Linalool oxide (furanoid) | 0.13  |
| 22.697 | Linalool                        | 50.13 |
| 22.808 | Hotrienol                       | 0.15  |
| 23.060 | Unidentified                    | 0.02  |
| 23.766 | beta-Thujone                    | 0.01  |
| 24.430 | allo-Ocimene                    | 0.04  |
| 24.758 | cis-Limonene oxide              | 0.01  |
| 25.299 | trans-Pinocarveol               | 0.03  |
| 25.736 | Camphor                         | 0.04  |
| 26.352 | Myrtenyl methyl ether           | 0.05  |
| 26.654 | trans-Pinocamphone              | 0.23  |
| 26.774 | Pinocarvone                     | 0.02  |
| 27.735 | Isopinocamphone                 | 1.44  |
| 28.046 | Terpinen-4-ol                   | 0.03  |
| 28.536 | Unidentified                    | 0.01  |
| 29.078 | Myrtenol                        | 0.08  |
| 29.252 | Estragole                       | 0.11  |
| 39.765 | Unidentified                    | 0.01  |
| 41.149 | alpha-Copaene                   | 0.01  |
| 41.669 | beta-Bourbonene                 | 0.05  |
| 41.865 | alpha-Bourbonene                | 0.00  |
| 42.702 | Methyleugenol                   | 0.01  |
| 43.170 | Unidentified                    | 0.01  |
| 43.960 | trans-beta-Caryophyllene        | 2.42  |
| 44.594 | beta-Cubebene                   | 0.01  |
| 44.806 | trans-alpha-Bergamotene         | 0.01  |
| 46.192 | alpha-Humulene                  | 0.01  |
| 46.471 | Alloaromodendrene               | 0.03  |
| 47.784 | Germacrene D                    | 0.06  |
| 47.891 | Unidentified                    | 0.01  |
| 48.670 | Bicyclogermacrene               | 0.05  |

## Chromatogram Hyssop Decumbens, Spain - Revive



## Comments:

The analysis of this Hyssop Oil batch sample meets the expected chemical profile for authentic essential oil of *Hyssopus officinalis* var. *decumbens*. 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%  |
|--------|---------------------|--------|
| 50.694 | Unidentified        | 0.01   |
| 51.822 | alpha-Elemol        | 0.01   |
| 53.488 | Unidentified        | 0.01   |
| 53.802 | Caryophyllene oxide | 0.03   |
| 73.268 | Unidentified        | 0.01   |
|        |                     | 100.00 |