

Sample Information

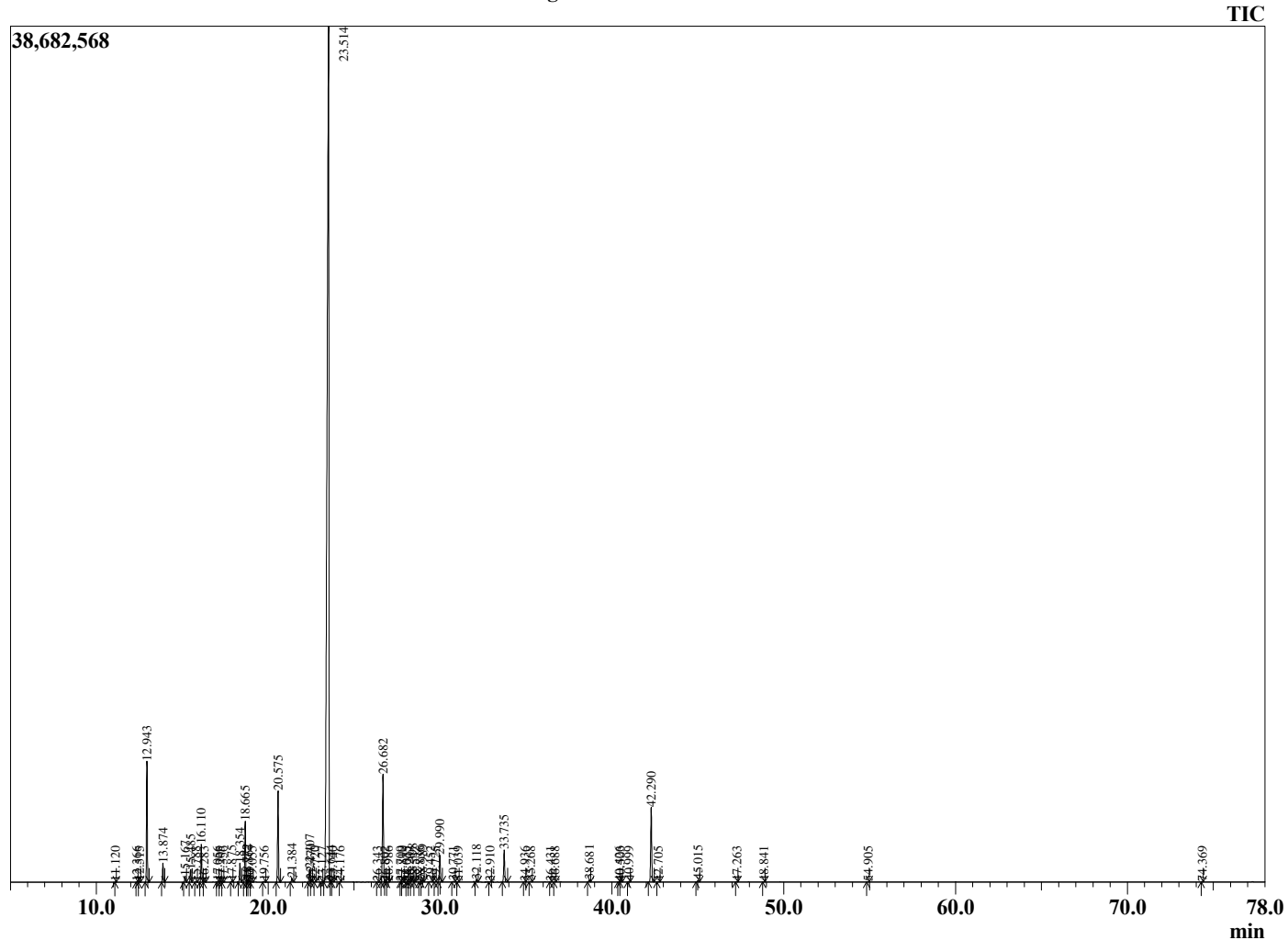
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 12/15/2020 5:33:57 PM
 Sample Type : Essential Oil
 Sample Name : Coriander Seed-Barefut
 Sample ID : 0104
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

| R.Time | Name | Area% |
|--------|---------------------------------|-------|
| 11.120 | Nonane | 0.01 |
| 12.366 | Tricyclene | 0.02 |
| 12.515 | alpha-Thujene | 0.03 |
| 12.943 | alpha-Pinene | 4.30 |
| 13.874 | Camphene | 0.69 |
| 15.167 | Sabinene | 0.24 |
| 15.485 | beta-Pinene | 0.49 |
| 15.788 | 6-Methyl-hept-5-en-2-one | 0.02 |
| 16.110 | Myrcene | 1.45 |
| 16.283 | Sulcatol | 0.02 |
| 17.056 | Pseudolimonene | 0.03 |
| 17.205 | alpha-Phellandrene | 0.02 |
| 17.356 | delta-3-Carene | 0.01 |
| 17.875 | alpha-Terpinene | 0.04 |
| 18.354 | para-Cymene | 0.75 |
| 18.665 | Limonene | 2.42 |
| 18.772 | beta-Phellandrene | 0.11 |
| 18.864 | 1,8-Cineole | 0.09 |
| 19.055 | (Z)-beta-Ocimene | 0.02 |
| 19.756 | (E)-beta-Ocimene | 0.03 |
| 20.575 | gamma-Terpinene | 3.83 |
| 21.384 | trans-Sabinene hydrate | 0.17 |
| 22.407 | Terpinolene | 0.59 |
| 22.470 | trans-Linalool oxide (furanoid) | 0.05 |
| 22.720 | Unidentified | 0.01 |
| 23.127 | Unidentified | 0.01 |
| 23.514 | Linalool | 72.15 |
| 23.644 | Hotrienol | 0.05 |
| 23.740 | Nonanal | 0.02 |
| 24.176 | Phenethyl alcohol | 0.00 |
| 26.343 | Unidentified | 0.01 |
| 26.682 | Camphor | 5.08 |
| 26.802 | trans-beta-Terpineol | 0.00 |
| 26.986 | Citronellal | 0.02 |
| 27.709 | Pinocarvone | 0.01 |
| 27.810 | Isoborneol | 0.01 |
| 28.075 | Unidentified | 0.01 |
| 28.207 | Unidentified | 0.02 |
| 28.398 | Borneol | 0.17 |
| 28.532 | Unidentified | 0.01 |
| 28.836 | Unidentified | 0.01 |
| 28.989 | Terpinen-4-ol | 0.10 |
| 29.452 | Hex-3(Z)-enyl butyrate | 0.04 |
| 29.725 | Methyl salicylate | 0.01 |
| 29.990 | alpha-Terpineol | 1.25 |
| 30.771 | Decanal | 0.03 |
| 31.039 | Octyl acetate | 0.01 |
| 32.118 | Citronellol | 0.09 |
| 32.910 | Neral | 0.01 |
| 33.735 | Geraniol | 1.48 |
| 34.936 | Geranial | 0.02 |
| 35.268 | Decanol | 0.03 |
| 36.431 | Unidentified | 0.01 |
| 36.688 | Unidentified | 0.01 |
| 38.681 | Myrtenyl acetate | 0.09 |
| 40.426 | Citronellyl acetate | 0.02 |
| 40.503 | Eugenol | 0.01 |
| 40.999 | Neryl acetate | 0.03 |
| 42.290 | Geranyl acetate | 3.61 |
| 42.705 | Unidentified | 0.01 |
| 45.015 | trans-beta-Caryophyllene | 0.08 |
| 47.263 | alpha-Humulene | 0.01 |

Chromatogram Coriander Seed-Barefut



Comments:

The analysis of this Coriander Seed batch sample meets the expected chemical profile for authentic essential oil of *Coriandrum sativum*. 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% |
|--------|---------------------|--------|
| 48.841 | Germacrene D | 0.01 |
| 54.905 | Caryophyllene oxide | 0.01 |
| 74.369 | Myrcene dimer I | 0.01 |
| | | 100.00 |