

Sample Information

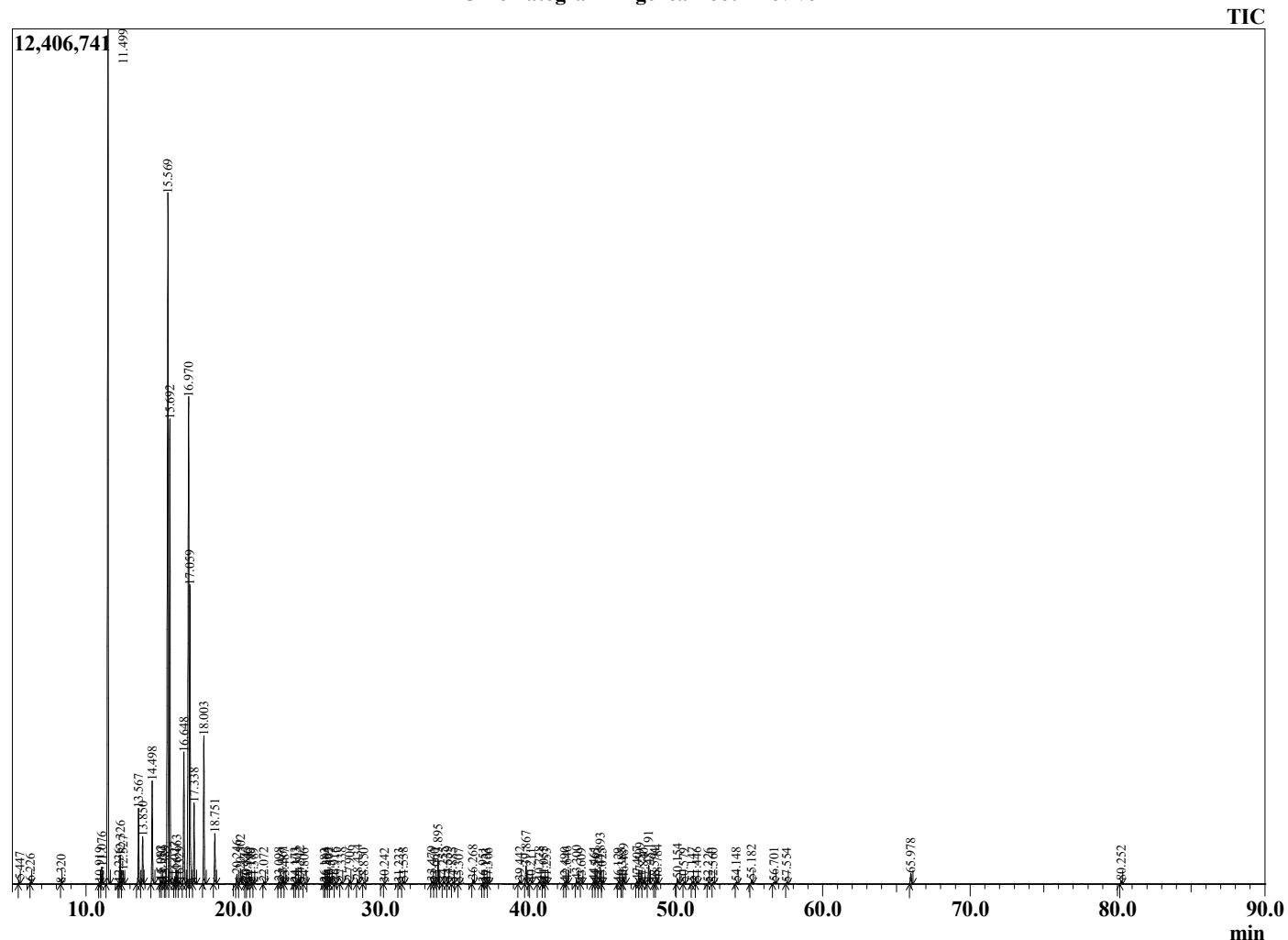
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 7/31/2023 11:57:44 PM
 Sample Type : Essential Oil
 Sample Name : Angelica Root - Revive
 Sample ID : 1E
 Injection Volume : 0.10
 Instrument ID: : GC-2



Peak Report TIC

R.Time	Name	Area%
3.700	3-Methylbutanal	0.01
4.173	Heptane	0.01
5.447	Toluene	0.06
6.226	Hexanal	0.03
8.320	2-Methyl octane	0.01
10.919	Tricyclene	0.03
11.076	alpha-Thujene	0.36
11.499	alpha-Pinene	21.66
12.236	alpha-Fenchene	0.02
12.326	Camphene	0.60
12.527	Thuja-2,4(10)-diene	0.29
13.567	Sabinene	1.70
13.850	beta-Pinene	1.05
14.498	Myrcene	2.43
15.082	2-Carene	0.09
15.150	Isomenthyl acetate	0.03
15.389	Octanal	0.07
15.569	alpha-Phellandrene	21.19
15.692	delta-3-Carene	10.80
16.027	1,4-Cineole	0.17
16.163	alpha-Terpinene	0.34
16.329	ortho-Cymene	0.06
16.648	para-Cymene	3.34
16.970	Limonene	15.07
17.059	beta-Phellandrene	6.73
17.338	cis-beta-Ocimene	1.90
18.003	trans-beta-Ocimene	3.60
18.751	gamma-Terpinene	1.24
20.246	Isoterpinolene	0.24
20.502	Terpinolene	0.37
20.843	para-Cymenene	0.06
20.946	Rosefuran	0.03
21.189	6-Camphenone	0.02
21.389	alpha-Pinene oxide	0.02
22.072	cis-para-Menth-2-en-1-ol	0.05
23.098	Unidentified	0.04
23.361	allo-Ocimene	0.09
23.487	Unidentified	0.02
24.173	Unidentified	0.03
24.303	trans-para-Menth-2-en-1-ol	0.05
24.512	trans-Verbenol	0.10
24.806	Unidentified	0.03
26.183	Unidentified	0.01
26.304	alpha-Phellandrene-8-ol isomer	0.03
26.462	Unidentified	0.05
26.577	Undeca-1,3,5-triene	0.06
26.916	Unidentified	0.04
27.338	Cryptone	0.05
27.906	Myrtenal	0.10
28.434	alpha-Phellandrene epoxide	0.11
28.850	trans-Piperitol	0.02
30.242	Thymol methyl ether	0.02
31.223	Carvone	0.02
31.538	Carvotanacetone	0.06
33.479	Phellandral	0.07
33.660	cis-Verbenyl acetate	0.02
33.895	Bornyl acetate	0.69
34.255	trans-Verbenyl acetate	0.05
34.559	Unidentified	0.07
34.885	Carvacrol	0.04
35.307	Unidentified	0.02
36.268	Unidentified	0.12

Chromatogram Angelica Root - Revive



Comments:

The analysis of this Angelica Root batch sample meets the expected chemical profile for authentic essential oil of *Angelica archangelica*. 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%
36.951	Unidentified	0.04
37.133	trans-Carveyl acetate	0.03
37.306	cis-Piperitol acetate	0.03
39.442	Isoledene	0.11
39.867	alpha-Copaene	0.56
40.211	Unidentified	0.03
40.778	beta-Elemene	0.09
41.055	Unidentified	0.08
41.253	Unidentified	0.02
42.490	alpha-Cedrene	0.05
42.646	beta-Caryophyllene	0.09
43.300	beta-Copaene	0.12
43.609	cis-Thujopsene	0.02
44.461	beta-Barbatene	0.10
44.565	Unidentified	0.03
44.893	alpha-Humulene	0.56
45.025	Amorpha-4,11-diene	0.02
46.129	gamma-Murrolene	0.03
46.385	alpha-Amorphene	0.02
46.489	Germacrene D	0.17
47.407	beta-Acoradiene	0.08
47.599	alpha-Murolene	0.18
47.840	Unidentified	0.04
48.191	beta-Bisabolene	0.56
48.594	Unidentified	0.02
48.784	delta-Cadinene	0.14
50.154	alpha-Copaen-11-ol	0.16
50.579	Elemol	0.03
51.147	Germacrene B	0.05
51.446	Unidentified	0.06
52.226	Spathulenol	0.02
52.560	Unidentified	0.03
54.148	Humulene epoxide II	0.05
55.182	Hexadecanolact-16-one	0.13
56.701	Eudesmol analogue	0.06
57.554	Unidentified	0.04
65.978	Pentadecanolide	0.36
80.252	Osthole	0.10
		100.00