

Sample Information

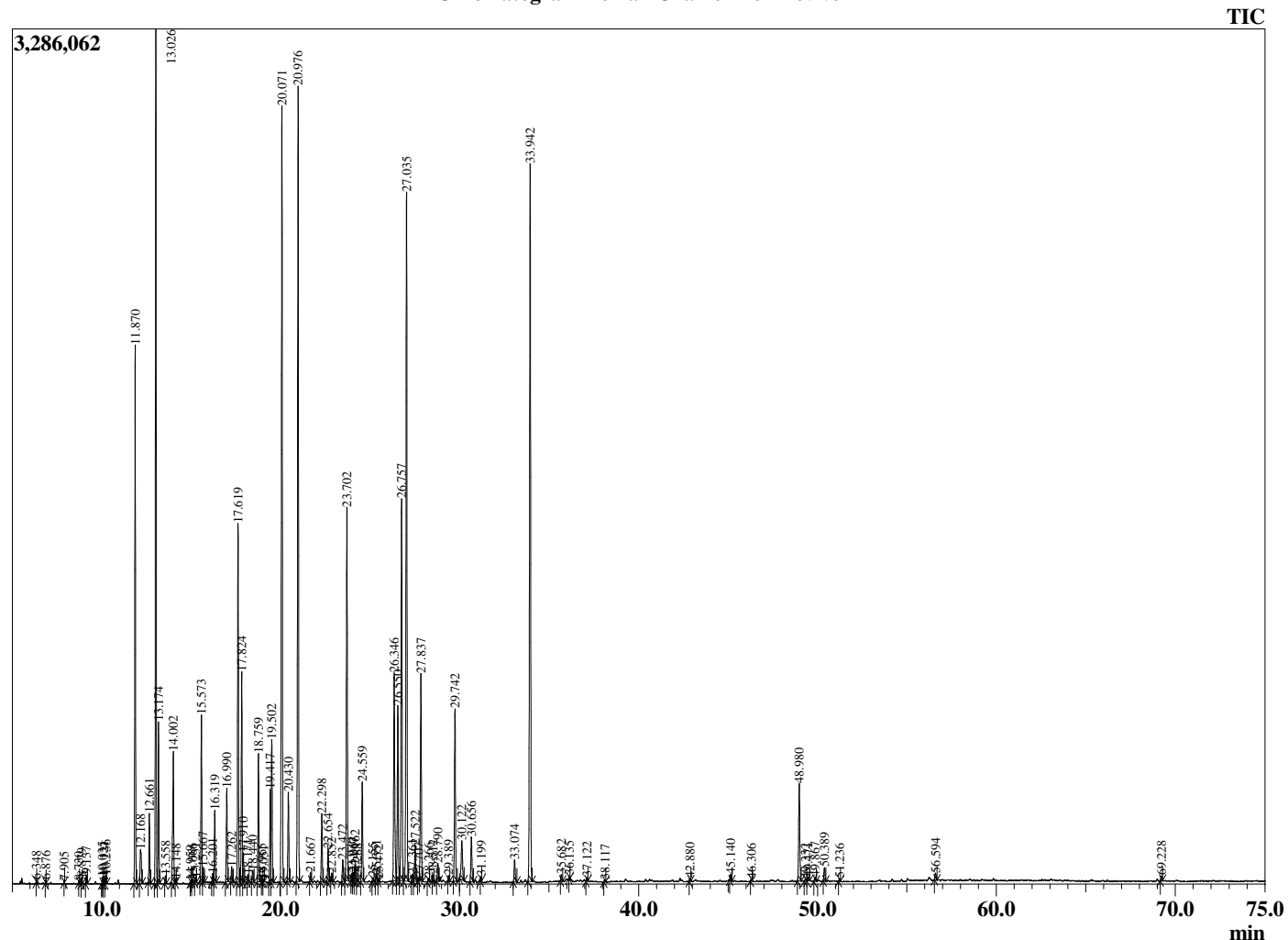
Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/20/2020 6:51:34 AM
 Sample Type : Essential Oil
 Sample Name : Roman Chamomile - Revive
 Sample ID : 8350
 Injection Volume : 0.10
 Instrument ID : GC-3



Peak Report TIC

R.Time	Name	Area%
6.348	Isobutyl acetate	0.01
6.876	1-Octene	0.02
7.905	methyl Tiglate	0.01
8.730	3-Methyl pentanol	0.01
8.879	Ethyl 2-methylbutyrate	0.05
9.137	Propyl isobutyrate	0.07
10.035	Isopentyl acetate	0.05
10.121	2-Methylbutyl acetate	0.06
10.236	Propyl methacrylate	0.07
11.870	Isobutyl isobutyrate	5.00
12.168	Prenyl acetate	0.52
12.661	2,5,8-Trimethyl nonane	0.66
13.026	alpha-Pinene	8.41
13.174	Isobutyl methacrylate	1.58
13.558	Propyl 2-methylbutyrate	0.07
14.002	Unidentified	1.69
14.148	Unidentified	0.03
14.959	Isoamyl propionate	0.01
15.066	Unidentified	0.03
15.251	Sabinene	0.04
15.573	beta-Pinene	1.80
15.667	Unidentified	0.14
16.201	Myrcene	0.10
16.319	Ethyl tiglate isomer	0.77
16.990	Isobutyl 2-methylbutanoate	1.05
17.262	Isobutyl isovalerate	0.17
17.619	Isoamyl isobutyrate	3.86
17.824	2-Methylbutyl isobutyrate	2.38
17.910	Roman Chamomile isomer	0.28
18.171	Roman Chamomile isomer	0.08
18.440	para-Cymene	0.15
18.759	Limonene	1.44
18.965	1,8-cineole	0.03
19.051	Unidentified	0.01
19.417	Pentyl methacrylate	1.06
19.502	Isopentyl methacrylate	1.66
20.071	Isobutyl angelate	9.50
20.430	Prenyl isobutyrate	1.06
20.976	Methallyl angelate	9.56
21.667	Hexyl propanoate	0.10
22.298	Camphenilone	0.81
22.654	Butyl angelate	0.39
22.852	Isobutyl tiglate	0.09
23.472	Isopentyl 2-methylbutanoate	0.27
23.702	2-Methylbutyl-2-methylbutyrate	4.73
23.970	Unidentified	0.07
24.067	2-Methylbutyl isovalerate	0.09
24.162	Isobutyl hexanoate	0.19
24.288	Unidentified	0.02
24.559	Hexyl isobutyrate	1.22
25.155	Unidentified	0.05
25.351	alpha-Campholenal	0.07
25.472	Unidentified	0.02
26.346	trans-Pinocarveol	2.86
26.550	Butanoic Acid Ester	2.24
26.757	Isoamyl angelate	5.04
27.035	Isoamyl tiglate	8.92
27.361	Pinocamphone	0.10
27.522	Unidentified	0.49
27.707	Unidentified	0.04
27.837	Pinocarvone	2.65
28.266	Unidentified	0.05

Chromatogram Roman Chamomile - Revive



Comments:

The analysis of this Roman Chamomile batch sample meets the expected chemical profile for authentic essential oil of

Anthemis nobilis. 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%
28.512	Borneol	0.07
28.790	Isopinocampnone	0.22
29.389	Isoamyl tiglate	0.06
29.742	2-Methyl-2-butene angelate	2.17
30.122	Myrtenal	0.67
30.656	3-Methyl-3-methylpentyl butanoate	0.59
31.199	Isopentyl hexanoate	0.05
33.074	2-Hydroxy-2-methyl-but-3-enyl 2-methyl-2(Z),	0.31
33.942	4-Methyl amyl angelate	9.67
35.682	Hex-(3Z)-enyl angelate	0.08
36.135	Hexyl angelate	0.02
37.122	Unidentified	0.05
38.117	2-Ethylbutyl hexanoate	0.03
42.880	Unidentified	0.04
45.140	beta-Caryophyllene	0.07
46.306	Unidentified	0.02
48.980	Germacrene D	1.39
49.332	Unidentified	0.03
49.471	beta-Selinene	0.04
49.867	Bicyclogermacrene	0.06
50.389	(E,E)-alpha-Farnesene	0.18
51.236	delta-Cadinene	0.03
56.594	Unidentified	0.09
69.228	Unidentified	0.07
		100.00