

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 6/24/2019 10:27:10 PM
 Sample Type : Essential Oil
 Sample Name : Helichrysum - Edens Garden
 Sample ID : AI26DE
 Injection Volume : 0.10
 Instrument ID : GC-4

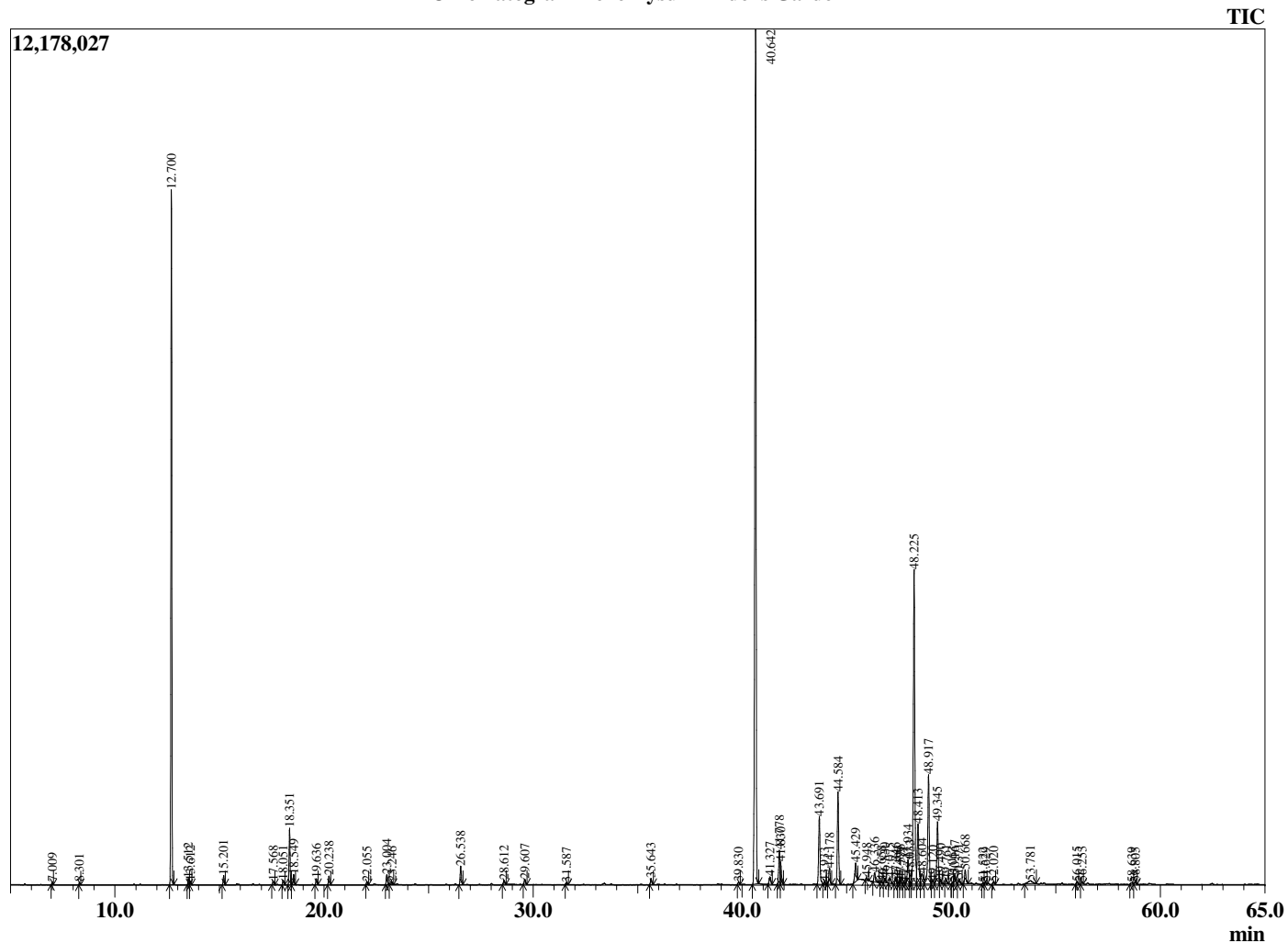


Peak Report TIC

R.Time	Name	Area%
7.009	2-Methyl-2-heptene	0.06
8.301	4-Methyl 3-hexanone	0.06
12.700	alpha-Pinene	18.98
13.512	alpha-Fenchene	0.18
13.612	Camphene	0.11
15.201	beta-Pinene	0.27
17.568	alpha-Terpinene	0.13
18.051	para-Cymene	0.14
18.351	Limonene	1.70
18.549	1,8-Cineole	0.34
19.636	Isobutyl angelate	0.20
20.238	gamma-Terpinene	0.29
22.055	Terpinolene	0.10
23.004	Linalool	0.36
23.246	2-Methylbutyl-2-methylbutyrate	0.10
26.538	Isoamyl tiglate	0.65
28.612	Terpinen-4-ol	0.15
29.607	alpha-Terpineol	0.19
31.587	Nerol	0.08
35.643	Hexyl angelate	0.23
39.830	alpha-Terpinyl acetate	0.08
40.642	Neryl acetate	34.10
41.327	Cyclosativene	0.37
41.778	alpha-Copaene	1.41
41.830	Isoitalicene	0.68
43.691	Italicene	2.89
43.933	alpha-Cedrenne	0.08
44.178	cis-alpha-Bergamotene	0.64
44.584	beta-Caryophyllene	3.62
45.429	Italidione + trans-alpha-Bergamotene	0.83
45.948	6,9-Guaiadiene	0.10
46.336	Neryl propionate	0.42
46.658	trans-beta-Farnesene	0.08
46.830	alpha-Humulene	0.19
47.075	Unidentified	0.25
47.346	alpha-Acoradiene	0.22
47.490	Unidentified	0.08
47.576	beta-Acoradiene	0.17
47.737	4,5-di-epi-Aristolochene	0.05
47.934	Selina-4,11-diene	1.14
48.033	Italidione	0.39
48.225	gamma-Curcumene	13.77
48.413	Ar-Curcumene	2.91
48.604	Unidentified	0.69
48.917	beta-Selinene	5.01
49.120	trans-Murrola-4(14),5-diene	0.16
49.345	alpha-Selinene	2.66
49.490	alpha-Muurolene	0.19
49.761	delta-Amorphene	0.15
50.063	beta-Bisabolene	0.07
50.167	beta-Curcumene	0.40
50.371	gamma-Cadinene	0.25
50.668	delta-Cadinene	0.63
51.522	trans-Cadine-1,4-diene	0.05
51.629	Unidentified	0.07
52.020	trans-alpha-Bisabolene	0.11
53.781	Italidione	0.40
56.015	Unidentified	0.11
56.253	Rosifoliol	0.09
58.639	Unidentified	0.08
58.805	Juniper camphor	0.09
		100.00

This report is valid for 1 year from the analyzed date.

Chromatogram Helichrysum - Edens Garden



Comments:

The analysis of this Helichrysum Oil batch sample meets the expected chemical profile for authentic essential oil of *Helichrysum italicum*. No contamination or adulteration was detected.