

Sample Information

Analyzed by : Dr. Robert S. Pappas
 Analyzed : 8/26/2019 6:31:20 PM
 Sample Type : Essential Oil
 Sample Name : Helichrysum gymnocephalum - Barefut
 Sample ID : 0105
 Injection Volume : 0.10
 Instrument ID : GC-4

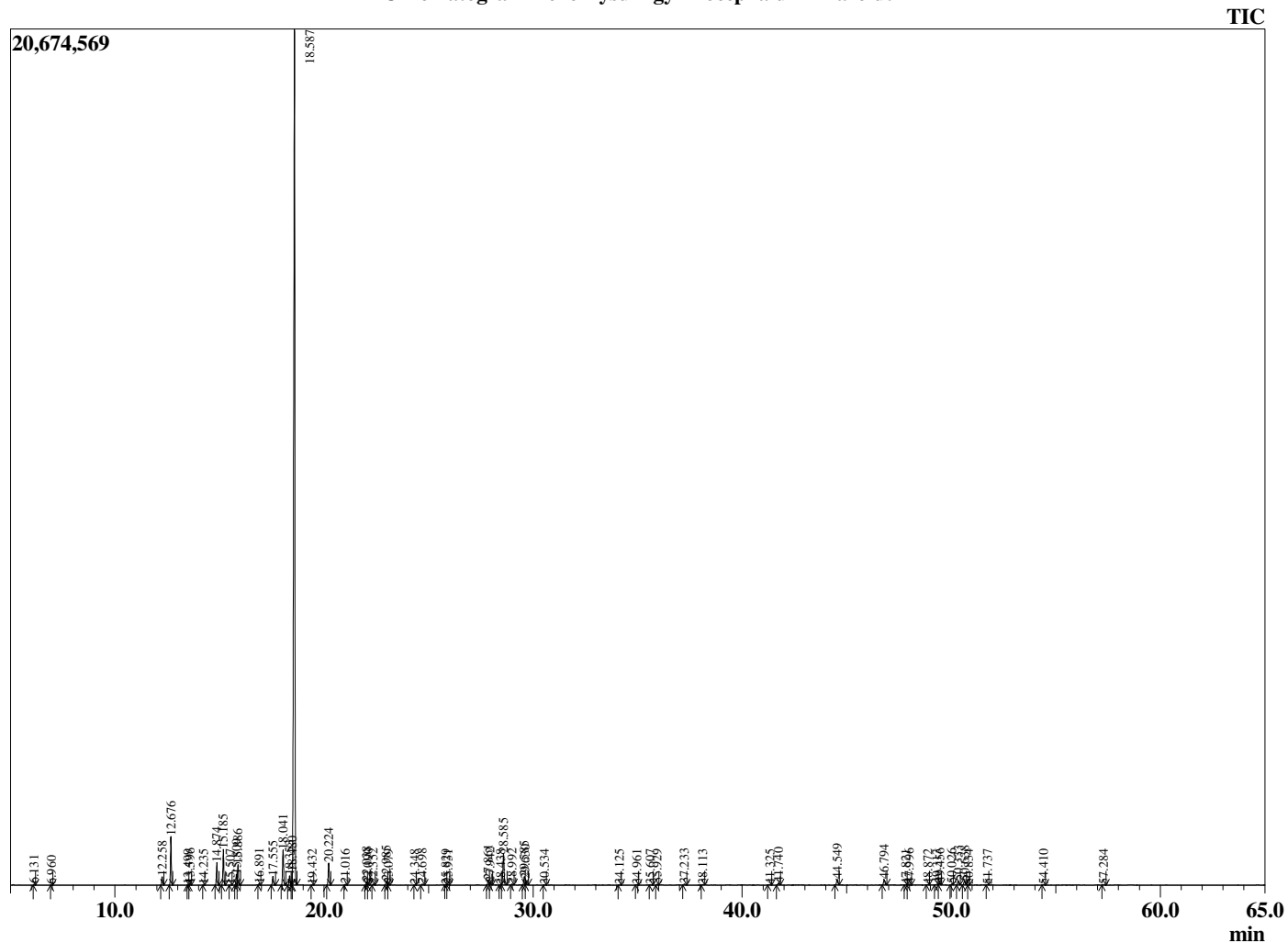


Peak Report TIC

R.Time	Name	Area%
6.131	Unidentified	0.05
6.960	Octane	0.01
12.258	alpha-Thujene	0.54
12.676	alpha-Pinene	3.09
13.499	alpha-Fenchene	0.02
13.596	Camphene	0.07
14.235	Benzaldehyde	0.02
14.874	Sabinene	1.51
15.185	beta-Pinene	2.47
15.507	6-Methyl hept-5-en-2-one	0.02
15.809	Myrcene	0.73
15.886	dehydro-1,8-Cineole	1.46
16.891	alpha-Phellandrene	0.10
17.555	alpha-Terpinene	0.65
18.041	para-Cymene	2.66
18.353	Limonene	0.82
18.480	beta-Phellandrene	0.38
18.587	1,8-cineole	75.10
19.432	trans-beta-Ocimene	0.02
20.224	gamma-Terpinene	1.67
21.016	trans-Sabinene hydrate	0.08
22.038	Terpinolene	0.27
22.090	trans-Linalool oxide (furanoid)	0.06
22.352	para-Cymenene	0.08
22.985	Linalool	0.32
23.079	cis-Sabinene hydrate	0.05
24.348	alpha-Fenchol	0.02
24.698	cis-para-Menth-2-en-1-ol	0.09
25.829	trans-Pinocarveol	0.03
25.931	trans-para-Menth-2-en-1-ol	0.06
27.861	delta-Terpineol	0.46
27.942	para-Mentha-1,5-dien-8-ol	0.21
28.438	Unidentified	0.03
28.585	Terpinen-4-ol	2.66
28.992	para-Cymen-8-ol	0.08
29.585	alpha-Terpineol	0.75
29.630	beta-Phellandren-8-ol	0.34
30.534	Unidentified	0.03
34.125	Unidentified	0.03
34.961	cis-Ascrinol glycol	0.04
35.607	Unidentified	0.04
35.929	Unidentified	0.08
37.233	Unidentified	0.09
38.113	Unidentified	0.04
41.325	Isoledene	0.07
41.740	alpha-Copaene	0.19
44.549	beta-Caryophyllene	0.57
46.794	alpha-Humulene	0.52
47.821	10-beta-H-Cadina-1(6),4-diene	0.03
47.996	trans-Cadina-1(6),4-diene	0.10
48.872	beta-Selinene	0.04
49.313	Unidentified	0.08
49.456	alpha-Muurolene	0.14
50.026	beta-Bisabolene	0.08
50.333	gamma-Cadinene	0.35
50.638	delta-Cadinene	0.37
50.834	cis-Calamenene	0.04
51.737	alpha-Cadinene	0.03
54.410	Caryophyllene oxide	0.04
57.284	Unidentified	0.04
		100.00

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

Chromatogram Helichrysum gymnocephalum - Barefut



Comments:

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