

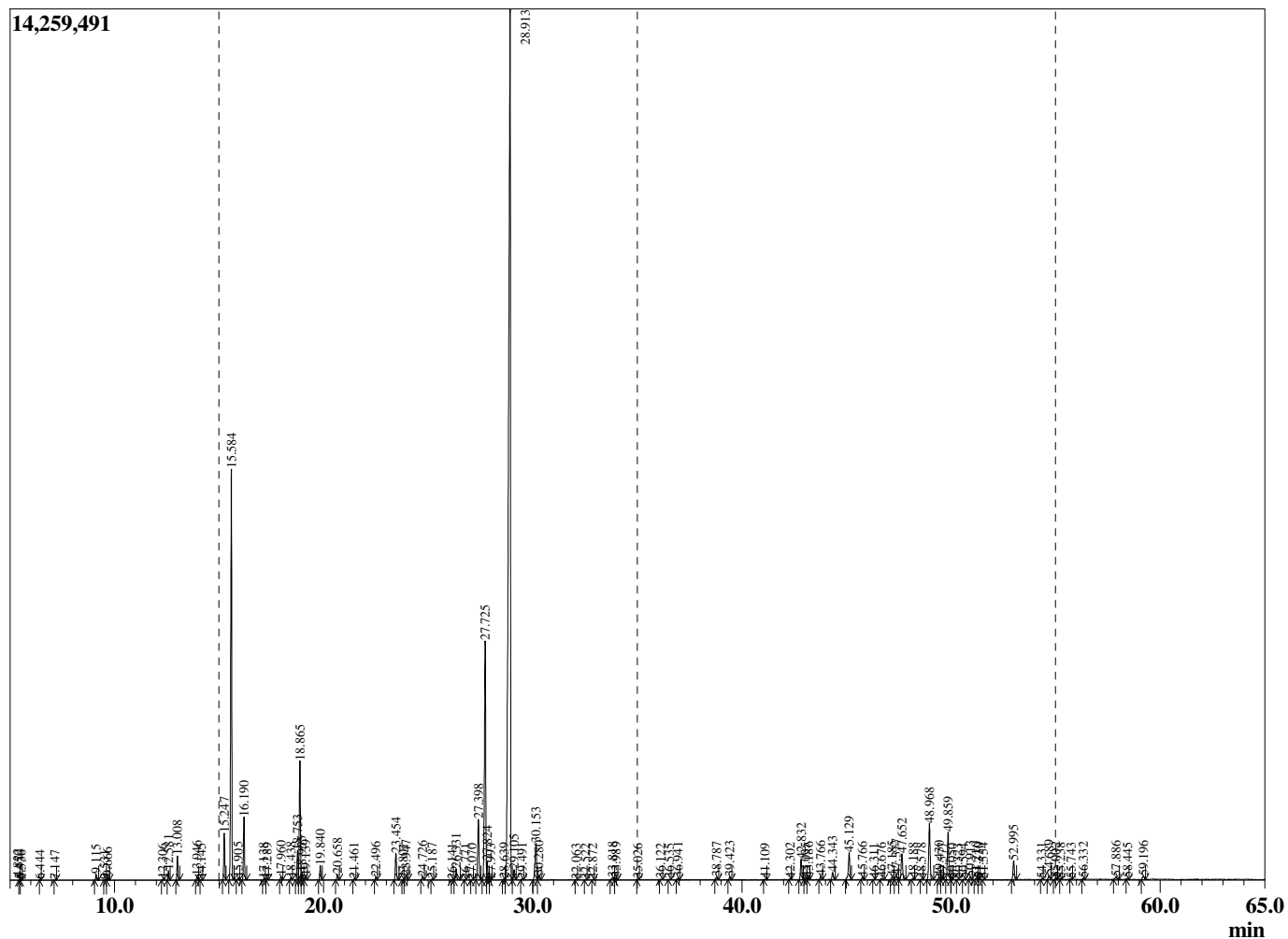
Sample Information

Analyzed : 7/16/2020 5:40:39 PM  
 Sample Type : Essential Oil  
 Sample Name : Hyssopus officinalis  
 Injection Volume : 0.10

Hyssop  
 Lot# HUE13-EC  
 Country: Hungary



Chromatogram Hyssopus officinalis



R.Time	Name	Area%
4.233	3-Methylbutanal	0.05
4.346	2-Methylbutanal	0.01
4.553	1-Penten-3-ol	0.01
4.822	2-Ethylfuran	0.03
5.450	Isoamyl alcohol	0.01
5.536	2-Methyl butanol	0.01
6.444	Methyl 2-methylbutyrate	0.01
7.147	Octane	0.01
9.115	Hex-3(Z)-enol	0.16
9.531	Hex-2(E)-enol	0.01
9.666	Hexanol	0.08
12.306	Hashishene	0.03
12.581	alpha-Thujene	0.25
13.008	alpha-Pinene	0.69
13.946	Camphene	0.11
14.145	Thuja-2,4(10)diene	0.02
15.247	Sabinene	1.40
15.584	beta-Pinene	12.75
15.905	3-Octanone	0.06
16.190	Myrcene	1.86
17.138	Pseudolimonene	0.03
17.289	alpha-Phellandrene	0.02
17.960	alpha-Terpinene	0.11
18.438	para-Cymene	0.07
18.753	Limonene	0.97
18.865	beta-Phellandrene	3.80
18.955	1,8-Cineole	0.20
19.139	cis-beta-Ocimene	0.12
19.840	trans-beta-Ocimene	0.46
20.658	gamma-Terpinene	0.19
21.461	trans-Sabinene hydrate	0.04
22.496	Terpinolene	0.09
23.454	Linalool	0.93
23.801	Nonanal	0.02
23.947	alpha-Thujone	0.16
24.726	beta-Thujone	0.11
25.187	cis-para-Menth-2-en-1-ol	0.03
26.141	Nopinone	0.01
26.331	trans-Pinocarveol	0.43
26.771	Camphor	0.01
27.070	Myrtenyl methyl ether	0.01
27.398	Myrtenyl methyl ether	2.36
27.725	Pinocamphone	9.19
27.824	Pinocarvone	0.57
27.993	Unidentified	0.02
28.639	Borneol	0.05
28.913	Isopinocamphone	49.31
29.105	Terpinen-4-ol	0.36
29.491	Cryptone	0.03
30.153	Myrtenol	1.69
30.280	Estragole	0.14
32.063	Unidentified	0.01
32.522	Hex-(3Z)-enyl 2-methylbutyrate	0.01
32.872	Hex-(3Z)-enyl isovalerate	0.01
33.818	Linalyl acetate	0.11
33.989	Unidentified	0.07

R.Time	Name	Area%
35.026	Geranial	0.02
36.122	Lavandulyl acetate	0.02
36.535	Thymol	0.02
36.941	Methyl myrtenate	0.06
38.787	Myrtenyl acetate	0.10
39.423	delta-Elemene	0.11
41.109	Neryl acetate	0.02
42.302	alpha-Copaene	0.03
42.832	beta-Bourbonene	0.80
43.035	alpha-Bourbonene	0.06
43.186	beta-Elemene	0.06
43.766	Methyleugenol	0.13
44.343	alpha-Gurjunene	0.30
45.129	beta-Caryophyllene	1.19
45.766	beta-Copaene	0.09
46.311	Aromadendrene	0.01
46.676	Unidentified	0.06
47.185	trans-beta-Farnesene	0.10
47.377	alpha-Humulene	0.20
47.652	Alloaromadendrene	1.13
48.188	10-beta-H-Cadina-1(6),4-diene	0.05
48.578	trans-Cadina-1(6),4-diene	0.02
48.968	Germacrene D	2.31
49.430	Unidentified	0.11
49.577	Viridiflorene (Ledene)	0.03
49.859	Bicyclogermacrene	1.93
50.050	alpha-Murolene	0.01
50.323	Unidentified	0.01
50.594	beta-Bisabolene	0.01
50.913	gamma-Cadinene	0.12
51.210	delta-Cadinene	0.08
51.330	trans-Calamenene	0.03
51.554	beta-Sesquiphellandrene	0.02
52.995	Elemol	0.74
54.331	Unidentified	0.02
54.689	Spathulenol	0.17
55.002	Caryophyllene oxide	0.08
55.238	Globulol	0.03
55.743	Viridiflorol	0.02
56.332	Ledol	0.06
57.886	gamma-Eudesmol	0.14
58.445	tau-Cadinol	0.05
59.196	alpha-Eudesmol	0.18
		100.00