

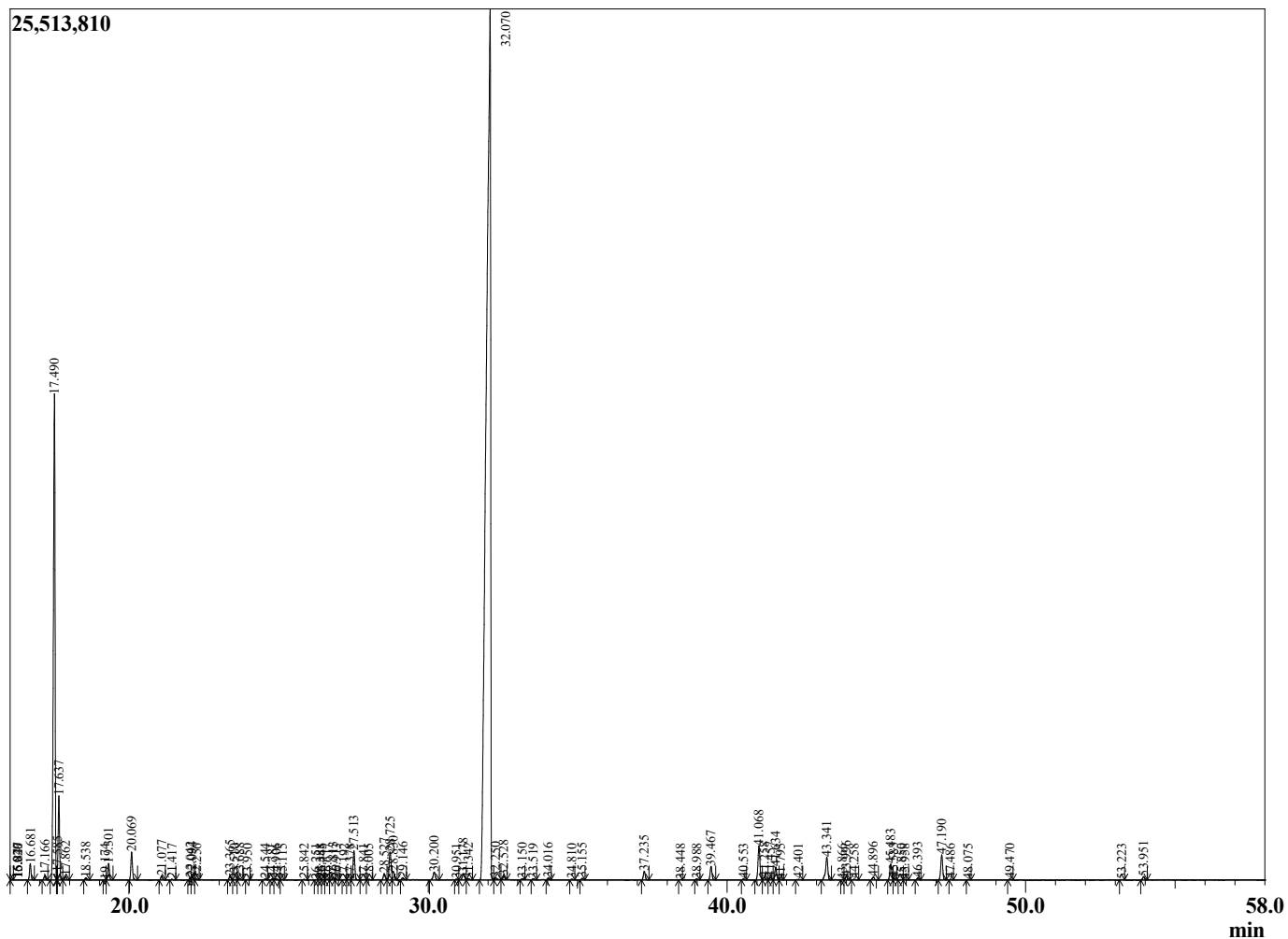
Sample Information

Sample Type : Essential Oil
Sample Name : Mentha spicata
Injection Volume : 0.10

Spearmint
Lot# USP21-PE
Country: USA



Chromatogram Mentha spicata



Peak Report TIC			
R.Time	Name	Area%	
2.812	Ethanol	0.00	
3.543	Isobutyl alcohol	0.01	
3.833	3-Methylbutanal	0.05	
3.934	2-Methylbutanal	0.03	
4.356	2-Ethyl furan	0.01	
4.929	Isoamyl alcohol	0.02	
5.004	2-Methylbutanol	0.02	
5.816	Methyl 2-methylbutyrate	0.01	
8.050	Ethyl 2-methylbutyrate	0.01	
8.319	Hex-(3Z)-enol	0.02	
10.020	2,5-Diethyl tetrahydrofuran	0.07	
11.225	Hashishene	0.09	
11.496	alpha-Thujene	0.05	
11.894	alpha-Pinene	0.52	
12.782	Camphene	0.02	
14.045	Sabinene	0.38	
14.338	beta-Pinene	0.59	
14.755	3-Octanone	0.02	
14.987	Myrcene	1.83	
15.421	3-Octanol	0.59	
15.877	Pseudolimonene	0.04	
15.949	Unidentified	0.03	
16.026	alpha-Phellandrene	0.02	
16.681	alpha-Terpinene	0.43	
17.166	para-Cymene	0.12	
17.490	Limonene	14.53	
17.585	beta-Phellandrene	0.08	
17.637	1,8-Cineole	2.09	
17.862	cis-beta-Ocimene	0.10	
18.538	trans-beta-Ocimene	0.07	
19.174	Unidentified	0.01	
19.301	gamma-Terpinene	0.45	
20.069	trans-Sabinene hydrate	0.80	
21.077	Terpinolene	0.12	
21.417	para-Cymene	0.02	
22.042	Linalool	0.07	
22.094	cis-Sabinene hydrate	0.08	
22.256	2-Methylbutyl-2-methylbutyrate	0.02	
23.365	3-octyl acetate	0.13	
23.510	trans-para-Mentha-2,8-dienol	0.02	
23.688	cis-para-Menth-2-en-1-ol	0.05	
23.950	Unidentified	0.02	
24.544	cis-Limonene oxide	0.03	
24.781	trans-Pinocarveol	0.03	
24.906	trans-para-Menth-2-en-1-ol	0.05	
25.115	trans-Verbenol	0.02	
25.842	Unidentified	0.02	
26.251	Pinocarpone	0.01	
26.388	Unidentified	0.02	
26.445	Unidentified	0.01	
26.617	para-Mentha-1,5-dien-8-ol	0.03	
26.813	delta-Terpineol	0.07	
26.913	Borneol	0.03	
27.192	Undeca-1,3,5-triene	0.01	
27.378	Unidentified	0.02	
27.513	Terpinen-4-ol	0.90	

R.Time	Name	Area%
27.841	Unidentified	0.02
28.005	Unidentified	0.02
28.527	alpha-Terpineol	0.22
28.725	(Z)-Dihydrocarvone	0.97
28.830	1,6-Dihydrocarveol	0.27
29.146	(E)-Dihydrocarvone	0.07
30.200	trans-Carveol	0.30
30.951	Hex-(3Z)-enyl 2-methylbutyrate	0.03
31.178	cis-Carveol	0.26
31.342	Hex-(3Z)-enyl isovalerate	0.05
32.070	Carvone	66.98
32.250	Carvotanacetone	0.08
32.528	Piperitone	0.12
33.150	cis-Carvone oxide	0.03
33.519	Unidentified	0.03
34.016	trans-Carvone oxide	0.05
34.810	Dihydroedulan I	0.02
35.155	Unidentified	0.05
37.235	trans-Dihydrocarvyl acetate	0.28
38.448	Myrcen-8-yl acetate	0.01
38.988	Eugenol	0.03
39.467	cis-Carveyl acetate	0.44
40.553	alpha-Copaene	0.03
41.068	beta-Bourbonene	1.17
41.258	alpha-Bourbonene	0.10
41.457	beta-Elemene	0.08
41.634	(Z)-Jasmone	0.42
41.795	Unidentified	0.01
42.401	cis-beta-Caryophyllene	0.03
43.341	beta-Caryophyllene	0.89
43.866	Unidentified	0.01
43.996	beta-Copaene	0.12
44.258	Octyl isovalerate	0.03
44.896	Unidentified	0.11
45.483	trans-beta-Farnesene	0.54
45.583	alpha-Humulene	0.05
45.850	Unidentified	0.02
45.958	Unidentified	0.02
46.393	Unidentified	0.08
47.190	Germacrene D	0.85
47.486	Phenethyl 2-methylbutyrate	0.02
48.075	Bicyclogermacrene	0.01
49.470	delta-Cadinene	0.03
53.223	Caryophyllene oxide	0.02
53.951	Viridiflorol	0.12
		100.00