

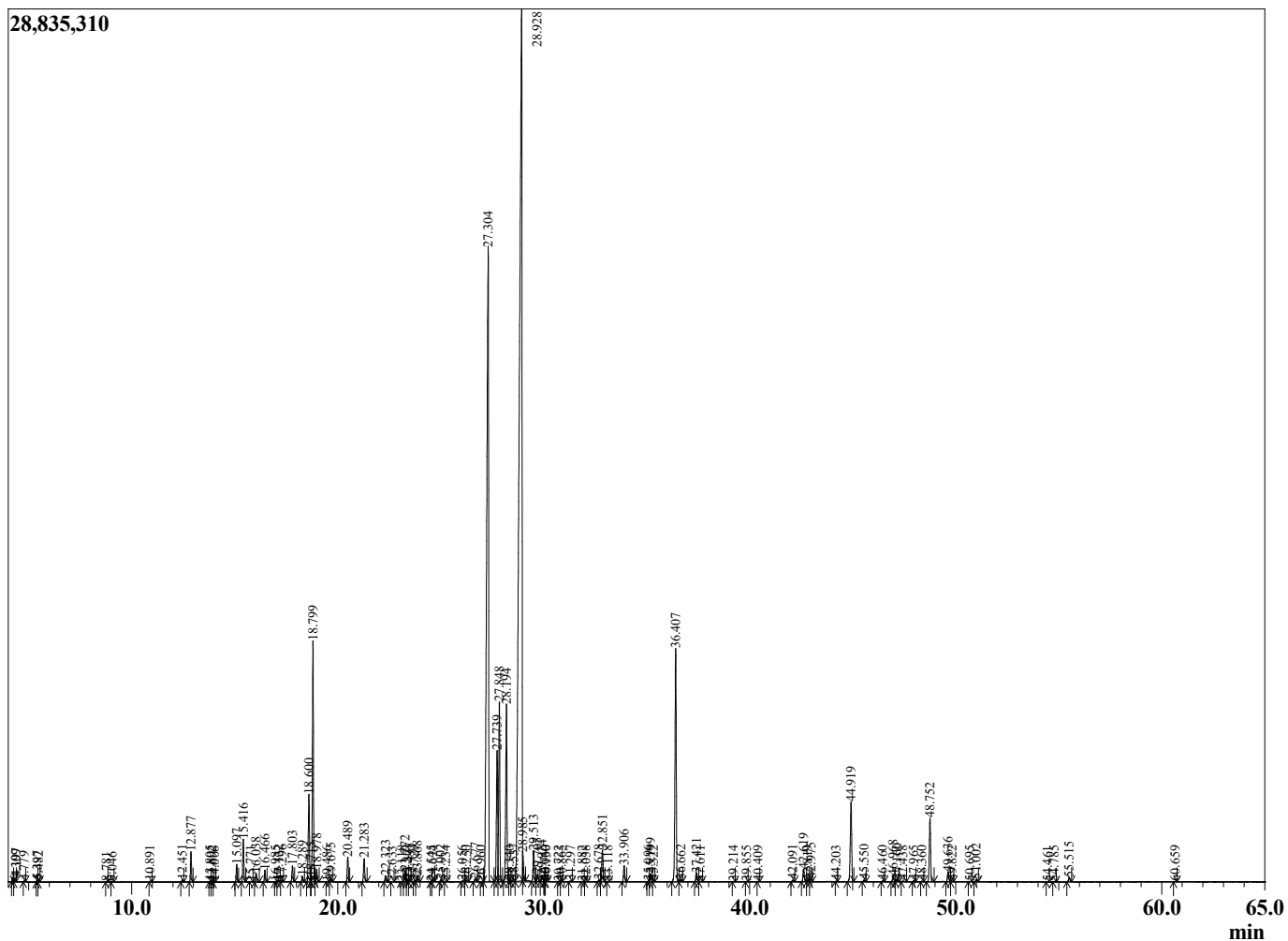
Sample Information

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

Peppermint USA  
 Lot# USD38-DE  
 Country: USA



Chromatogram Mentha piperita



R.Time	Name	Area%
4.197	3-Methylbutanal	0.04
4.309	2-Methylbutanal	0.03
4.779	2-Ethylfuran	0.01
5.397	1-Pentanol	0.02
5.482	2-Methyl butanol	0.01
8.781	Ethyl 2-methylbutyrate	0.01
9.046	Hex-(3Z)-enol	0.01
10.891	2,5-Diethyltetrahydrofuran	0.01
12.451	alpha-Thujene	0.03
12.877	alpha-Pinene	0.50
13.805	Camphene	0.01
13.892	3-Methylcyclohexanone	0.01
14.006	Thuja-2,4(10)-diene	0.00
15.097	Sabinene	0.31
15.416	beta-Pinene	0.77
15.771	3-Octanone	0.01
16.038	Myrcene	0.16
16.466	3-Octanol	0.22
16.985	Pseudolimonene	0.01
17.132	alpha-Phellandrene	0.03
17.296	delta-3-Carene	0.03
17.803	alpha-Terpinene	0.30
18.289	para-Cymene	0.11
18.600	Limonene	1.81
18.715	beta-Phellandrene	0.04
18.799	1,8-Cineole	4.61
18.978	(Z)-beta-Ocimene	0.24
19.486	Phenylacetaldehyde	0.01
19.675	(E)-beta-Ocimene	0.06
20.489	gamma-Terpinene	0.48
21.283	trans-Sabinene hydrate	0.48
22.323	Terpinolene	0.13
22.633	para-Cymenene	0.00
23.118	3-Nonanol	0.01
23.272	Linalool	0.22
23.371	cis-Sabinene hydrate	0.05
23.495	2-Methylbutyl-2-methylbutyrate	0.04
23.729	Isoamyl isovalerate	0.02
23.868	2-Methylbutyl isovalerate	0.12
24.545	beta-Thujone	0.00
24.624	3-Octyl acetate	0.02
25.002	cis-para-Menth-2-en-1-ol	0.04
25.234	allo-Ocimene	0.01
26.056	trans-Sabinol	0.02
26.250	trans-para-Menth-2-en-1-ol	0.03
26.677	Isopulegol	0.07
26.960	Unidentified	0.00
27.304	Menthone	21.51
27.739	Menthofuran	2.98
27.848	Isomenthone	3.82
28.194	Neomenthol	4.04
28.340	Borneol	0.01
28.537	trans-Isopulegone	0.06
28.928	Menthol	43.03
28.985	Terpinen-4-ol	0.39
29.513	Isomenthol	0.64

R.Time	Name	Area%
29.705	Neomenthol	0.16
29.924	alpha-Terpineol	0.14
30.060	cis-Piperitol	0.01
30.130	Unidentified	0.01
30.722	Unidentified	0.01
30.865	trans-Piperitol	0.01
31.297	Unidentified	0.02
31.882	Nerol	0.01
32.038	Citronellol	0.01
32.678	cis-3-Hexenyl isovalerate	0.04
32.851	Pulegone	0.70
33.118	3-Methyl hexyl butyrate	0.01
33.906	Piperitone	0.37
35.096	Isopulegyl acetate	0.02
35.199	Neomenthyl acetate	0.18
35.322	Unidentified	0.01
36.407	Menthyl acetate	5.65
36.662	Dihydroedulan isomer	0.04
37.421	Isomenthyl acetate	0.19
37.611	Unidentified	0.01
39.214	delta-Elemene	0.01
39.855	Myrcen-8-yl acetate	0.01
40.409	Eugenol	0.01
42.091	alpha-Copaene	0.04
42.619	beta-Bourbonene	0.30
42.819	alpha-Bourbonene	0.03
42.975	beta-Elemene	0.07
44.203	Perillyl acetate	0.01
44.919	trans-beta-Caryophyllene	2.00
45.550	beta-Copaene	0.04
46.460	Isogermacrene D	0.02
46.968	(E)-beta-Farnesene	0.14
47.160	alpha-Humulene	0.05
47.438	Alloaromodendrene	0.02
47.965	10-beta-H-Cadina-1(6),4-diene	0.02
48.360	trans-Cadina-1(6),4-diene	0.01
48.752	Germacrene D	1.55
49.636	Bicyclogermacrene	0.23
49.822	alpha-Murolene	0.02
50.695	gamma-Cadinene	0.01
51.002	delta-Cadinene	0.06
54.461	Spathulenol	0.01
54.785	Caryophyllene oxide	0.01
55.515	Viridiflorol	0.11
60.659	alpha-Bisabolol	0.01
		100.00