

Spearmint
 Lot# USX23-XK
 Country: USA



GC/MS Report
 Components

Ret. Time	Component	Ret. Idx.	Conc. %	
4.028	3-Methylbutanal	646	0.04%	
4.136	2-Methylbutanol	657	0.02%	
4.352	3-Penten-2-ol	678	0.01%	
4.566	2-Ethyl furan	699	0.01%	
5.150	1-Pentanol	727	0.02%	
5.228	2-Methylbutanol	730	0.01%	
6.057	alpha-Methyl-methylbutyrate	769	0.01%	
8.593	Hex-(3Z)-enol	849	0.02%	
9.015	Unidentified	860	0.01%	
10.330	2,5-Diethyl tetrahydrofuran	894	0.05%	
11.554	Hashishene	918	0.1%	
11.827	alpha-Thujene	923	0.03%	
12.230	alpha-Pinene	930	0.51%	
13.025	Unidentified	945	0.01%	
13.121	Camphene	947	0.03%	
14.387	Sabinene	970	0.33%	
14.684	beta-Pinene	975	0.57%	
15.072	3-Octanone	982	0.01%	
15.319	Myrcene	987	1.76%	
15.738	3-Octanol	994	0.91%	
16.225	Pseudolimonene	1003	0.07%	
16.295	Unidentified	1004	0.03%	
16.372	alpha-Phellandrene	1005	0.03%	
16.521	Unidentified	1007	0.01%	
17.030	alpha-Terpinene	1015	0.45%	
17.511	para-Cymene	1022	0.21%	
17.840	Limonene	1027	18%	IFRA
17.985	1,8-Cineole	1030	2.21%	
18.208	cis-beta-Ocimene	1033	0.06%	
18.894	trans-beta-Ocimene	1043	0.05%	
19.540	Unidentified	1053	0.01%	
19.670	gamma-Terpinene	1055	0.33%	
20.435	trans-Sabinene hydrate	1067	0.35%	
21.474	Terpinolene	1083	0.14%	
21.802	para-Cymenene	1088	0.02%	
22.423	Linalool	1098	0.08%	IFRA
22.500	cis-Sabinene hydrate	1099	0.03%	
22.646	2-Methylbutyl-2-methybutyrate	1101	0.03%	
22.796	Unidentified	1103	0.02%	
22.870	Unidentified	1104	0.01%	

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22.954	Unidentified	1105	0.01%	
23.772	3-Octyl acetate	1117	0.15%	
23.917	Unidentified	1119	0.02%	
24.102	cis-para-Menth-2-en-1-ol	1122	0.03%	
24.358	Unidentified	1126	0.01%	
24.676	Unidentified	1130	0.01%	
24.978	cis-Limonene oxide	1135	0.04%	
25.216	trans-Pinocarveol	1138	0.02%	
25.335	Unidentified	1140	0.03%	
25.545	trans-Verbenol	1143	0.01%	
26.276	Menthone	1154	0.06%	
26.876	Unidentified	1162	0.05%	
27.054	para-Mentha-1,5-dien-8-ol	1165	0.03%	
27.249	delta-Terpineol	1168	0.06%	
27.358	Unidentified	1169	0.03%	
27.630	Unidentified	1173	0.01%	
27.778	Menthol	1175	0.18%	
27.968	Terpinen-4-ol	1178	0.57%	
28.450	trans-Isocarveol	1185	0.04%	
28.755	Unidentified	1190	0.02%	
28.975	alpha-Terpineol	1193	0.16%	
29.174	cis-Dihydrocarvone	1196	0.88%	
29.273	trans-Dihydrocarveol	1197	0.21%	
29.601	trans-Dihydrocarvone	1202	0.08%	
30.059	Octyl acetate	1209	0.01%	
30.642	cis-Carveol	1217	0.28%	
31.399	Hex-(3Z)-enyl 2-methylbutanoate	1228	0.02%	
31.603	trans-Carveol	1231	0.22%	
31.813	cis-3-Hexenyl isovalerate	1234	0.05%	IFRA
31.980	Unidentified	1237	0.01%	
32.494	Carvone	1244	64.58%	IFRA
32.986	Piperitone	1252	0.12%	
33.614	cis-Carvone oxide	1261	0.03%	IFRA
33.983	Unidentified	1266	0.02%	
34.482	trans-Carvone oxide	1273	0.06%	IFRA
35.321	Unidentified	1286	0.01%	
35.439	Menthyl acetate	1288	0.02%	
35.661	Unidentified	1291	0.04%	
37.723	trans-Dihydrocarvyl acetate	1322	0.27%	
38.258	trans-Carveyl acetate	1330	0.02%	

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38.921	Unidentified	1340	0.01%	
39.471	Eugenol	1348	0.02%	IFRA
39.958	cis-Carveyl acetate	1356	0.45%	
41.080	alpha-Copaene	1373	0.04%	
41.601	beta-Bourbonene	1381	1.26%	
41.789	alpha-Bourbonene	1384	0.1%	
41.978	beta-Elemene	1387	0.06%	
42.122	cis-Jasmone	1389	0.32%	
42.310	Unidentified	1392	0.01%	
42.939	cis-beta-Caryophyllene	1401	0.03%	
43.468	Unidentified	1410	0.01%	
43.876	beta-Caryophyllene	1416	1.24%	
44.363	Unidentified	1424	0.02%	
44.526	beta-Copaene	1427	0.13%	
44.752	Unidentified	1430	0.01%	
45.425	Isogermacrene D	1441	0.11%	
45.984	trans-beta-Farnesene	1450	0.42%	
46.124	alpha-Humulene	1452	0.05%	
46.922	beta-Copaene	1465	0.07%	
47.715	Germacrene D	1478	0.45%	
49.985	delta-Cadinene	1515	0.03%	
53.865	Unidentified	1580	0.02%	
54.466	Viridiflorol	1591	0.06%	

Total Identified Compounds **99.54 %**