

Client

Source



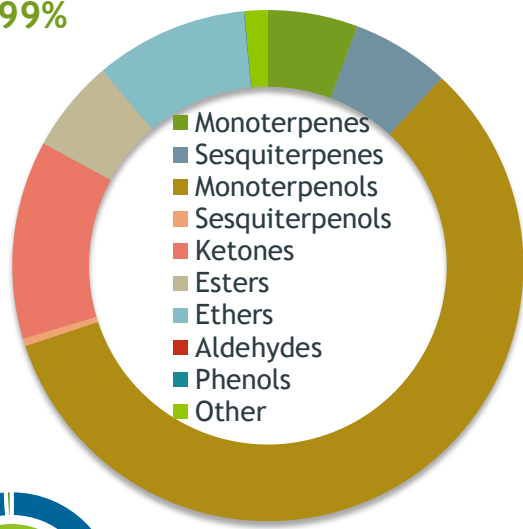
Seely Peppermint (*Mentha x piperita*)
21D183

Sample

Seely Peppermint (*Mentha x piperita*)
Batch #:..... 21D183
Type:..... Essential Oil
CAS Number:... 8006-90-4
Simply Ingredients

Monoterpenols

57.99%



Client

Website

Primary

50.01% Menthol
10.57% Menthone
5.15% Menthyl acetate



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Seely Peppermint (*Mentha x piperita*)
RI - 1.4627@20 °C
Internal Number: | EVS-5191



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 | <https://essentialvalidationservices.com/>

Alan Christen

Monoterpenes	5	5.70%
Sesquiterpenes	6	6.21%
Monoterpenols	57.99%	57.99%
Sesquiterpenols		0.48%
Ketones	12.5	12.56%
Esters	5	5.87%
Ethers	9.6	9.69%
Aldehydes		0.00%
Phenols		0.04%
Other		1.46%

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Total Percentage		99.11%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.51	0.04%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
2	5.82	0.01%	(E)-2-Hexenol	Aliphatic Alcohol
3	5.93	0.02%	1-Hexanol	Aliphatic Alcohol
4	6.73	0.02%	2,5-Diethyltetrahydrofuran	Furan
5	7.76	0.05%	alpha-Thujene	Monoterpene
6	8.00	0.59%	alpha-Pinene	Monoterpene
7	8.62	0.02%	Camphene	Monoterpene
8	8.72	0.02%	3-Methyl cyclohexanone	Aliphatic Ketone
9	9.55	0.39%	Sabinene	Monoterpene
10	9.71	0.89%	beta-Pinene	Monoterpene
11	9.96	0.12%	1-Octen-3-ol	Aliphatic Alcohol
12	10.13	0.07%	Octan-3-one	Aliphatic Ketone
13	10.30	0.19%	Myrcene	Monoterpene
14	10.66	0.36%	3-Octanol	Aliphatic Alcohol
15	10.82	0.01%	Pseudolimonene	Monoterpene
16	10.93	0.04%	alpha-Phellandrene	Monoterpene
17	11.40	0.41%	alpha-Terpinene	Monoterpene
18	11.74	0.23%	para-Cymene	Monoterpene
19	11.95	1.64%	Limonene	Monoterpene
20	12.04	4.92%	1,8-Cineole	Monoterpene Ether
21	12.33	0.27%	(Z)-beta-Ocimene	Monoterpene
22	12.78	0.07%	(E)-beta-Ocimene	Monoterpene
23	13.25	0.67%	gamma-Terpinene	Monoterpene
24	13.78	0.42%	trans-Sabinene hydrate	Monoterpenol
25	14.47	0.18%	Terpinolene	Monoterpene
26	15.22	0.35%	Linalool	Monoterpenol
27	15.34	0.05%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
28	16.16	0.07%	Octan-3-yl acetate	Aliphatic Ester
29	16.25	0.08%	cis-para-Menth-2-en-1-ol	Monoterpenol
30	16.50	0.05%	Alloocimene	Monoterpene
31	16.99	0.03%	cis-Sabinol	Monoterpenol
32	17.10	0.06%	trans-para-Menth-2-en-1-ol	Monoterpenol
33	17.33	0.10%	neo-Isopulegol	Monoterpenol
34	17.72	10.57%	Menthone	Monoterpene Ketone
35	18.07	4.70%	Menthofuran	Monoterpene Ether

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Source



Seely Peppermint (*Mentha x piperita*)
21D183

Number	RT	Area %	Compound Name	Chemical Family
36	18.1	Co-Eluting	Isomenthone	Monoterpene Ether
37	18.39	4.90%	Neomenthol	Monoterpenol
38	18.54	0.09%	Isopulegone	Monoterpene Ketone
39	18.99	50.01%	Menthol	Monoterpenol
40	19.27	1.31%	Isomenthol	Monoterpenol
41	19.43	0.35%	Neoisomenthol	Monoterpenol
42	19.56	0.25%	alpha-Terpineol	Monoterpenol
43	20.11	0.02%	Dihydrocarveol	Monoterpene Ether
44	20.19	0.03%	trans-Piperitol	Monoterpenol
45	20.94	0.02%	Nerol	Monoterpenol
46	21.08	0.03%	Citronellol	Monoterpenol
47	21.42	1.31%	Pulegone	Monoterpene Ketone
48	21.74	0.02%	Hexyl isovalerate	Monoterpene Ester
49	22.11	0.50%	Piperitone	Monoterpene Ketone
50	23.03	0.27%	neo-Menthyl acetate	Monoterpene Ester
51	23.84	5.15%	Menthyl acetate	Monoterpene Ester
52	24.02	0.05%	Thymol	Monoterpenol
53	24.44	0.27%	isoMenthyl acetate	Monoterpene Ester
54	24.58	0.04%	neo-Isolsopulegyl acetate	Monoterpene Ester
55	25.58	0.14%	delta-Elemene	Sesquiterpene
56	26.48	0.04%	Eugenol	Phenylpropanoid
57	27.43	0.07%	alpha-Copaene	Sesquiterpene
58	27.75	0.39%	beta-Bourbonene	Sesquiterpene
59	27.97	0.01%	beta-Cubebene	Sesquiterpene
60	28.06	0.16%	beta-Elemene	Sesquiterpene
61	29.24	2.10%	beta-Caryophyllene	Sesquiterpene
62	29.67	0.13%	beta-Gurjunene	Sesquiterpene
63	29.90	0.01%	trans-alpha-Bergamotene	Sesquiterpene
64	30.26	0.05%	beta-Copaene	Sesquiterpene
65	30.54	0.03%	allo-Aromadendrene	Sesquiterpene
66	30.70	0.08%	alpha-Humulene	Sesquiterpene
67	30.80	0.39%	(E)-beta-Farnesene	Sesquiterpene
68	30.99	0.03%	cis-Muurolo-4(14),5-diene	Sesquiterpene
69	31.23	0.03%	Dauca-5,8-diene	Sesquiterpene
70	31.57	0.03%	gamma-Muuroloene	Sesquiterpene
71	31.77	2.00%	Germacrene D	Sesquiterpene

