

Client



Source



Peppermint (*Mentha x piperita*)
21120

Sample

Peppermint (*Mentha x piperita*)

Batch #:..... 21120

Type:..... Essential Oil

CAS Number:... 8006-90-4

My Daily Choice

Client



Website



Primary

38.25%

Menthol

23.07%

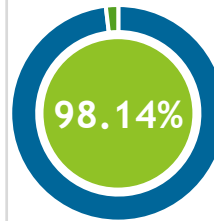
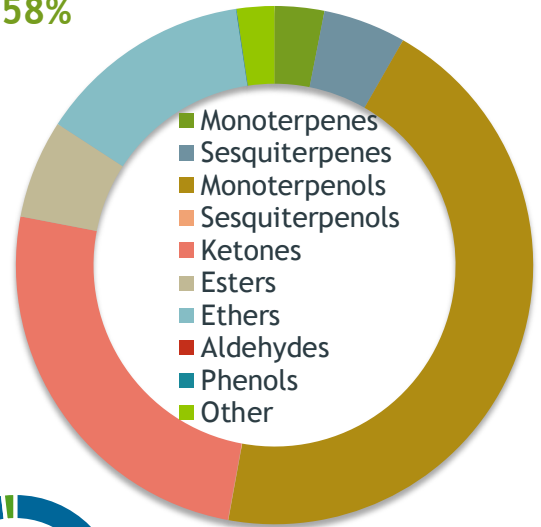
Menthone

8.05%

1,8-Cineole

Monoterpenols

44.58%



Percentage Identified

Result

TESTED

Conclusion

Internal Number: | EVS-4351



Essential Validation Services

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

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

Monoterpenes	3	3.10%
Sesquiterpenes	5.	5.18%
Monoterpenols	44.58%	44.58%
Sesquiterpenols		0.04%
Ketones	25.11%	25.11%
Esters	6.1	6.16%
Ethers	13.44%	13.44
Aldehydes		0.00%
Phenols		0.04%
Other		2.35%

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Total Percentage		98.14%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.88	0.01%	2,5-Diethyltetrahydrofuran	Furan
2	7.93	0.03%	alpha-Thujene	Monoterpene
3	8.18	1.00%	alpha-Pinene	Monoterpene
4	8.78	0.03%	Camphene	Monoterpene
5	8.87	0.04%	3-Methyl cyclohexanone	Aliphatic Ketone
6	9.73	0.44%	Sabinene	Monoterpene
7	9.90	1.16%	beta-Pinene	Monoterpene
8	10.12	0.01%	1-Octen-3-ol	Aliphatic Alcohol
9	10.23	0.02%	3-p-Menthene	Monoterpene
10	10.30	0.01%	Octan-3-one	Aliphatic Ketone
11	10.48	0.09%	Myrcene	Monoterpene
12	10.84	0.40%	3-Octanol	Aliphatic Alcohol
13	11.12	0.02%	alpha-Phellandrene	Monoterpene
14	11.59	0.05%	alpha-Terpinene	Monoterpene
15	11.94	0.08%	para-Cymene	Monoterpene
16	12.31	8.05%	1,8-Cineole	Monoterpene Ether
17	12.52	0.03%	(Z)-beta-Ocimene	Monoterpene
18	12.97	0.02%	(E)-beta-Ocimene	Monoterpene
19	13.44	0.08%	gamma-Terpinene	Monoterpene
20	13.98	0.08%	trans-Sabinene hydrate	Monoterpenol
21	14.21	0.05%	1-Octanol	Aliphatic Alcohol
22	14.67	0.03%	Terpinolene	Monoterpene
23	14.75	0.01%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
24	14.87	0.01%	para-Cymenene	Monoterpene
25	15.49	0.12%	Linalool	Monoterpenol
26	15.82	0.01%	2-Methyl Butyl Isovalerate	Monoterpene Ester
27	16.12	0.01%	alpha-Thujone	Monoterpene Ketone
28	16.70	0.01%	Alloocimene	Monoterpene
29	17.23	0.01%	cis-Verbenol	Monoterpenol
30	17.42	0.02%	cis-Sabinol	Monoterpenol
31	17.71	0.07%	Isopulegol	Monoterpenol
32	18.19	23.07%	Menthone	Monoterpene Ketone
33	18.46	5.35%	Menthofuran	Monoterpene Ether
34	18.47	Co-Eluting	Isomenthone	Monoterpene Ketone
35	18.70	4.34%	Neomenthol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	18.844	0.20%	Isopulegone	Monoterpenol
37	19.50	38.25%	Menthol	Monoterpenol
38	19.63	0.69%	Neoisomenthol	Monoterpenol
39	19.91	0.36%	alpha-Terpineol	Monoterpenol
40	20.35	0.02%	cis-Dihydrocarvone	Monoterpene Ketone
41	20.48	0.01%	trans-Piperitol	Monoterpenol
42	20.91	0.02%	trans-Carveol	Monoterpenol
43	21.21	0.01%	Nerol	Monoterpenol
44	21.34	0.05%	Citronellol	Monoterpenol
45	21.49	0.02%	cis-Carveol	Monoterpenol
46	21.69	0.63%	Pulegone	Monoterpene Ketone
47	21.93	0.08%	Carvone	Monoterpene Ketone
48	22.40	1.05%	Piperitone	Monoterpene Ketone
49	22.80	0.02%	trans-Myrtanol	Monoterpenol
50	23.27	0.09%	neo-Menthyl acetate	Monoterpene Ester
51	23.42	0.46%	1-Decanol	Monoterpenol
52	24.16	6.00%	Menthyl acetate	Monoterpene Ester
53	24.49	0.03%	Carvacrol	Monoterpenol
54	24.69	0.06%	Isomenthyl acetate	Monoterpene Ester
55	25.38	0.01%	Ascaridole	Monoterpenol
56	25.82	0.12%	delta-Elemene	Sesquiterpene
57	26.47	0.01%	alpha-Cubebene	Sesquiterpene
58	26.67	0.04%	Eugenol	Phenylpropanoid
59	27.51	0.02%	Longicyclene	Sesquiterpene
60	27.67	0.07%	alpha-Copaene	Sesquiterpene
61	27.99	0.32%	beta-Bourbonene	Sesquiterpene
62	28.29	0.17%	beta-Elemene	Sesquiterpene
63	28.40	0.02%	cis-Jasmone	Jasmonate
64	28.99	0.06%	Longifolene	Sesquiterpene
65	29.54	3.30%	beta-Caryophyllene	Sesquiterpene
66	29.91	0.23%	beta-Copaene	Sesquiterpene
67	30.12	0.04%	cis-alpha-Bergamotene	Sesquiterpene
68	30.76	0.25%	Aromadendrene	Sesquiterpene
69	30.93	0.09%	alpha-Humulene	Sesquiterpene
70	31.01	0.07%	(E)-beta-Farnesene	Sesquiterpene
71	31.11	0.01%	9-epi-(E)-Caryophyllene	Sesquiterpene



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EVS-4351-My Daily Choice-Essential Oil

<u>Pesticides</u>	<u>Residual Solvents</u>	<u>Microbial</u>	<u>Heavy Metals</u>
APPROVED	APPROVED	APPROVED	APPROVED



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Alan Christian

Microbial

Aspergillus terreus	ND CFU/g
Aspergillus niger	ND CFU/g
Aspergillus Fumigatus	ND CFU/g
Aspergillus Flavus	ND CFU/g
Salmonella	ND CFU/g
E.coli	ND CFU/g

Residual Solvents

	Result	Action Level		Result	Action Level
Acetone	ND	750 Pass	Ethanol	ND	500 Pass
Acetonitrile	ND	60 Pass	N-Pentane	ND	750 Pass
Benzene	<0.500ppm		Propane	ND	210 Pass
Iso-Butane	ND	200 Pass	Heptane	ND	500 Pass
N-Butane	ND	200 Pass	Toluene	ND	150 Pass
Chloroform	ND	2 Pass	Total Xylenes	ND	150 Pass
N-Hexane	<125,000ppm		2-Propanol	ND	500 Pass
Iso-Pentane	ND				
	2,2-Dimethylbutane	ND 60 Pass			
	2,3-Dimethylbutane	ND 60 Pass			
	Tetrahydrofuran	ND			

Heavy Metals

82 Pb Lead 207.2	48 Cd Cadmium 112.414
Result ND	Result ND
Action Level 0.5 (PPM)	Action Level 0.2 (PPM)
80 Hg Mercury 200.592	33 As Arsenic 74.922
Result ND	Result ND
Action Level 0.2 (PPM)	Action Level 0.2 (PPM)

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EVS-4351-My Daily Choice-Essential Oil

Pesticides

	<u>Result</u>	<u>Action Level</u>		<u>Result</u>	<u>Action Level</u>
Dimethoate	ND	0.1 ppm	Pass	Cypermethrin	ND 0.5 ppm Pass
Abamectin b1a	ND	0.1 ppm	Pass	Daminozide	ND 0.1 ppm Pass
Cis-permethrin	ND	0.1 ppm	Pass	Metalaxyl	ND 0.02 ppm Pass
Acephate	ND	0.1 ppm	Pass	Dichlorvos	ND 0.1 ppm Pass
Dimethomorph	ND	0.2 ppm	Pass	Methiocarb	ND 0.05 ppm Pass
Ethoprophos	ND	0.1 ppm	Pass	Methomyl	ND 0.1 ppm Pass
Acequinocyl	ND	0.1 ppm	Pass	Diazanone	ND 0.1 ppm Pass
Acetamiprid	ND	0.1 ppm	Pass	Mevinphos	ND 0.1 ppm Pass
Etofenprox	ND	0.1 ppm	Pass	Myclobutanil	ND 0.1 ppm Pass
Aldicarb	ND	0.1 ppm	Pass	Naled	ND 0.25 ppm Pass
Etoxazole	ND	0.1 ppm	Pass	Oxamyl	ND 0.5 ppm Pass
Azoxystrobin	ND	0.01 ppm	Pass	Paclobutrazol	ND 0.1 ppm Pass
Fenhexamid	ND	0.1 ppm	Pass	Trans-permethrin	ND 0.1 ppm Pass
Bifenazate	ND	0.1 ppm	Pass	Phosmet	ND 0.1 ppm Pass
Fenoxycarb	ND	0.1 ppm	Pass	Piperonyl butoxide	ND 3 ppm Pass
Fenpyroximate	ND	0.1 ppm	Pass	Prallethrin	ND 0.1 ppm Pass
Bifenthrin	ND	0.1 ppm	Pass	Propiconazole	ND 0.1 ppm Pass
Carbaryl	ND	0.5 ppm	Pass	Propoxur	ND 0.1 ppm Pass
Fipronil	ND	0.1 ppm	Pass	Pyrethrin i	ND 0.5 ppm Pass
Flonicamid	ND	0.1 ppm	Pass	Pyridaben	ND 0.2 ppm Pass
Carbofuran	ND	0.1 ppm	Pass	Spino (Spinosyn a)	ND 0.1 ppm Pass
Chlorantraniliprole	ND	1 ppm	Pass	Spino (Spinosyn d)	ND 0.1 ppm Pass
Fludioxonil	ND	0.1 ppm	Pass	Spiromesifen	ND 0.1 ppm Pass
Hexythiazox	ND	0.1 ppm	Pass	Spirotetramat	ND 0.1 ppm Pass
Chlorfenapyr	ND	0.1 ppm	Pass	Spiroxamine	ND 0.1 ppm Pass
Imazalil	ND	0.1 ppm	Pass	Tebuconazole	<0.050 ppm 0.1 ppm Pass
Chlorpyrifos	0.213 ppm	0.3 ppm	Pass	Thiacloprid	ND 0.1 ppm Pass
Imidacloprid	ND	0.4 ppm	Pass	Thiamethoxam	ND 0.5 ppm Pass
Clofentezine	ND	0.2 ppm	Pass	Trifloxystrobin	ND 0.1 ppm Pass
Kresoxim-methyl	ND	0.1 ppm	Pass		
Coumaphos	ND	0.1 ppm	Pass		
Malathion	ND	0.2 ppm	Pass		