

Client

WHOLESALE BOTANICS .COM

Source



Spearmint (*Mentha spicata*)
K-SPE

Sample

Spearmint (*Mentha spicata*)

Batch #:..... K-SPE
Type:..... Essential Oil
CAS Number:... 8008-79-5

Wholesale Botanics

Client

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Website

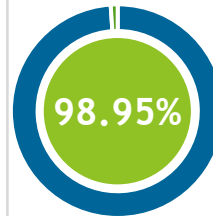
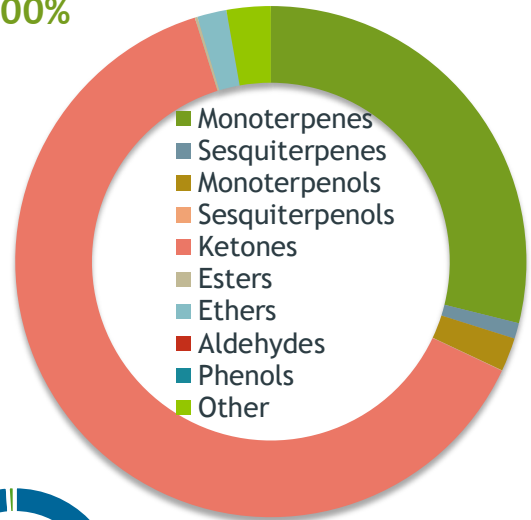


Primary

58.30% Carvone
19.67% Limonene
2.45% Myrcene

Ketones

63.00%



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 Spearmint (*Mentha spicata*)

Internal Number: | EVS-5068



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	28.81%	28.81%
Sesquiterpenes	0.99%	0.99%
Monoterpenols	2.12%	2.12%
Sesquiterpenols	0.04%	0.04%
Ketones	63.00%	63.00%
Esters	0.17%	0.17%
Ethers	1.85%	1.85%
Aldehydes	0.00%	0.00%
Phenols	0.00%	0.00%
Other	2.78%	2.78%

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Total Percentage		98.95%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.51	0.03%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
2	5.82	0.01%	(E)-2-Hexenol	Aliphatic Alcohol
3	5.92	0.12%	1-Hexanol	Aliphatic Alcohol
4	6.72	0.54%	2,5-Diethyltetrahydrofuran	Furan
5	7.50	0.05%	Hashishene	Monoterpene
6	7.75	0.09%	alpha-Thujene	Monoterpene
7	8.00	1.91%	alpha-Pinene	Monoterpene
8	8.55	0.24%	5.95 Cyclohexanol<3-methyl->	0.00
9	8.59	0.10%	Camphene	Monoterpene
10	8.69	1.55%	3-Methyl cyclohexanone	Aliphatic Ketone
11	9.54	0.91%	Sabinene	Monoterpene
12	9.70	1.73%	beta-Pinene	Monoterpene
13	9.93	0.02%	1-Octen-3-ol	Aliphatic Alcohol
14	10.04	0.05%	3-p-Menthene	Monoterpene
15	10.11	0.18%	Octan-3-one	Aliphatic Ketone
16	10.29	2.45%	Myrcene	Monoterpene
17	10.63	0.97%	3-Octanol	Aliphatic Alcohol
18	10.81	0.20%	Pseudolimonene	Monoterpene
19	11.03	0.11%	delta-3-Carene	Monoterpene
20	11.31	0.01%	Hexyl acetate	Aliphatic Ester
21	11.39	0.08%	alpha-Terpinene	Monoterpene
22	11.72	0.67%	para-Cymene	Monoterpene
23	11.98	19.67%	Limonene	Monoterpene
24	12.04	1.48%	1,8-Cineole	Monoterpene Ether
25	12.31	0.06%	(Z)-beta-Ocimene	Monoterpene
26	12.76	0.19%	(E)-beta-Ocimene	Monoterpene
27	13.23	0.19%	gamma-Terpinene	Monoterpene
28	13.77	0.32%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
29	13.90	0.02%	1-Octanol	Aliphatic Alcohol
30	14.44	0.21%	Terpinolene	Monoterpene
31	14.65	0.11%	para-Cymenene	Monoterpene
32	15.35	0.03%	beta-Thujone	Monoterpene Ketone
33	16.13	0.05%	Octan-3-yl acetate	Aliphatic Ester
34	16.46	0.03%	Alloocimene	Monoterpene
35	16.58	0.03%	cis-Limonene oxide	Monoterpene Ether

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Number	RT	Area %	Compound Name	Chemical Family
36	16.782	0.04%	trans-Limonene oxide	Monoterpene Ether
37	17.28	0.10%	neo-Isopulegol	Monoterpenol
38	17.62	0.36%	Menthone	Monoterpene Ketone
39	18.01	0.15%	Isomenthone	Monoterpene Ketone
40	18.30	0.54%	NeoMenthol	Monoterpenol
41	18.68	0.54%	Menthol	Monoterpenol
42	18.76	0.17%	Terpinen-4-ol	Monoterpenol
43	19.15	0.15%	trans-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
44	19.56	1.71%	cis-Dihydrocarvone	Monoterpene Ketone
45	19.71	0.30%	Dihydrocarveol	Monoterpene Ether
46	19.83	0.45%	trans-Dihydrocarvone	Monoterpene Ketone
47	20.31	0.01%	Octyl acetate	Aliphatic Ester
48	20.71	0.09%	trans-Carveol	Monoterpenol
49	21.00	0.04%	Verbenone	Monoterpene Ketone
50	21.41	0.05%	cis-Carveol	Monoterpenol
51	21.91	58.30%	Carvone	Monoterpene Ketone
52	21.97	0.12%	Carvotanacetone	Monoterpene Ketone
53	22.13	0.11%	Piperitone	Monoterpene Ketone
54	22.53	0.02%	cis-Isogeraniol	Monoterpenol
55	23.10	0.13%	1-Decanol	Monoterpenol
56	23.79	0.04%	neo-Menthyl acetate	Monoterpene Ester
57	26.22	0.01%	alpha-Terpinyl acetate	Monoterpene Ester
58	26.76	0.05%	trans-Caryyl acetate	Monoterpene Ester
59	27.41	0.04%	alpha-Copaene	Sesquiterpene
60	27.71	0.30%	beta-Bourbonene	Sesquiterpene
61	28.02	0.04%	beta-Elemene	Sesquiterpene
62	28.14	0.02%	cis-Jasmone	Jasmonate
63	28.59	0.02%	cis-Caryophyllene	Sesquiterpene
64	28.70	0.02%	Longifolene	Sesquiterpene
65	29.18	0.29%	beta-Caryophyllene	Sesquiterpene
66	29.64	0.04%	beta-Cedrene	Sesquiterpene
67	30.23	0.03%	beta-Copaene	Sesquiterpene
68	30.66	0.01%	alpha-Humulene	Sesquiterpene
69	30.76	0.08%	(E)-beta-Farnesene	Sesquiterpene
70	31.19	0.02%	beta-Gurjunene	Sesquiterpene
71	31.72	0.10%	Germacrene D	Sesquiterpene

 ESSENTIAL VALIDATION SERVICES | 14 / NW 27th AVE GAINESVILLE, FLORIDA 32601 | 351-7501-5044

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