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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Spearmint

Mentha spicata

Batch No. US-59313

United States

Monoterpenes	16.1%	Ketones	67.34%	Sesquiterpenes	5.3%
limonene	10.55	carvone	62.84	β bourbonene	1.83
myrcene	2.07	cis-dihydrocarvone	2.29	β caryophyllene	1.24
β pinene	0.65	neo-dihydrocarvone	1.15	(E) β farnesene	0.70
α pinene	0.57	trans-dihydrocarvone	0.41	germacrene d	0.67
γ terpinene	0.53	menthone	0.22	β copaene	0.27
sabinene	0.45	piperitone	0.19	β elemene	0.13
α terpinene	0.31	isomenthone	0.08	dauca-5,8 diene	0.13
para cymene	0.23	isopiperitenone	0.06	α copaene	0.07
(Z) β ocimene	0.16	octan-3-one	0.03	α humulene	0.07
terpinolene	0.15	pulegone	0.03	δ cadinene	0.06
hashishene	0.12	garanylacetone	0.03	β gurjunene	0.03
(E) β ocimene	0.10	piperitenone	0.01	isocaryophyllene	0.02
alloocimene	0.06			β funebrene	0.02
α thujene	0.06			bicyclogermacrene	0.02
para-cymenene	0.03			δ elemene	0.01
pseudolimonene	0.03			γ muurolene	0.01
camphene	0.02			α muurolene	0.01
thuja-2,4(10)-diene	0.01			γ cadinene	0.01
Monoterpenols	3.73%	Esters	1.71%	Sesquiterpenols	0.26%
terpinen-4-ol	1.86	octan-3-yl acetate	0.65	viridiflorol	0.26
trans-sabinene hydrate	0.95	cis-carvyl acetate	0.44		
cis-carveol	0.49	dihydrocarvyl acetate	0.41		
menthol	0.18	(Z) 3-hexenyl isovalerate	0.03		
trans-para-menth-2-en-1-ol	0.07	methyl salicylate	0.03		
trans-pinocarveol	0.05	2-methylbutyl 2-methylbutyrate	0.03		
para-menth-1,5-dien-8-ol	0.04	2-phenylethyl 3 methylbutyrate	0.03		
trans-verbenol	0.04	1-octenyl-3 acetate	0.02		
isomenthol	0.03	myrtenyl acetate	0.02		
trans-ascaridol glycol	0.02	trans-carvyl acetate	0.02		
Ethers	2.22%	neo-dihydro carveol acetate	0.01		
1,8 cineole	1.94	octylacetate	0.01		
trans-carvone oxide	0.09	trans-pinocarvyl acetate	0.01		
trans-limonene oxide	0.06				
cis-carvone oxide	0.05				
β pinene oxide	0.02				
cis-limonene oxide	0.01				
caryophyllene oxide	0.05				
Aldehydes	0.06%	Other	2.21%		
(E) 2-hexenal	0.03	3-octanol	1.36		
benzaldehyde	0.01	cis-jasmone	0.38		
nonanal	0.01	dihydro-edulan II	0.16		
decanal	0.01	2,5-Diethyltetrahydrofuran	0.11		
		cis-hex-3-en-1-ol	0.05		
		1-octanol	0.04		
		(E) 2-hexenol	0.03		
		1-hexanol	0.03		
		1-octen-3-ol	0.03		
		2-acetoxyhexane	0.02		

Client



Source



Spearmint (*Mentha spicata*)
US-59313

Spearmint (*Mentha spicata*)

Batch #: US-59313

Type: Essential Oil

CAS Number: ... 8008-79-5

Nature's Gift

Sample



Website



Primary

62.84%

Carvone

10.55%

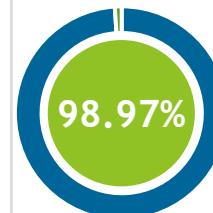
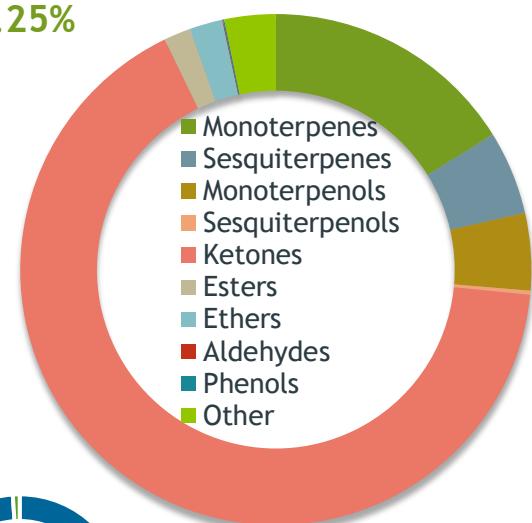
Limonene

2.29%

cis-Dihydrocarvone

Ketones

66.25%



Percentage Identified

Result

APPROVED

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-5477



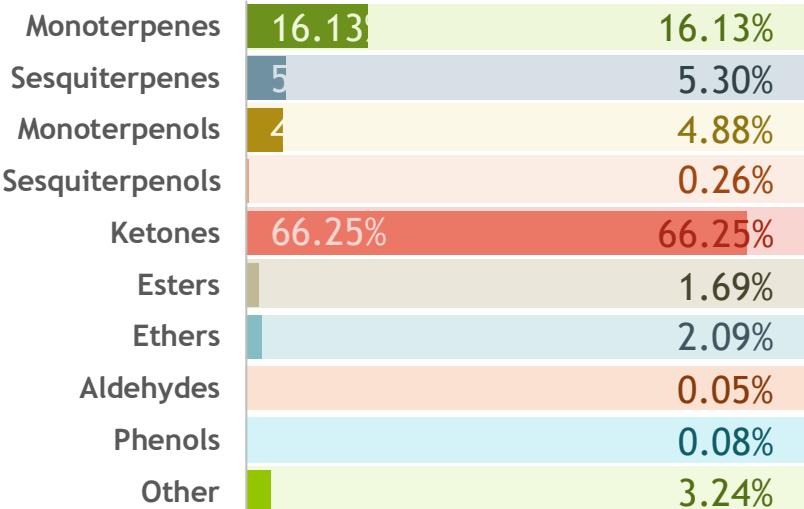
Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

[Signature]



- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
- This report may not be published without the consent of Essential Validation Services.
- Chromatograph image may be requested
- This report is valid for 1 year from the analyzed date

Client



Source

***Spearmint (*Mentha spicata*)*****US-59313**

Total Percentage	98.97%			
Number	RT	Area %	Compound Name	Chemical Family
1	5.26	0.02%	2-Methylbutyric acid	Aliphatic Acid
2	5.38	0.03%	(E)-2-Hexenal	Aliphatic Aldehyde
3	5.44	0.05%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
4	5.75	0.03%	(E)-2-Hexenol	Aliphatic Alcohol
5	5.86	0.03%	1-Hexanol	Aliphatic Alcohol
6	6.65	0.11%	2,5-Diethyltetrahydrofuran	Furan
7	7.43	0.12%	Hashishene	Monoterpene
8	7.68	0.06%	alpha-Thujene	Monoterpene
9	7.92	0.57%	alpha-Pinene	Monoterpene
10	8.52	0.02%	Camphene	Monoterpene
11	8.69	0.01%	Thuja-2,4(10)-diene	Monoterpene
12	8.91	0.02%	6.10 Acetoxyhexane<2->	0.00
13	9.04	0.01%	Benzaldehyde	Simple Phenolic
14	9.46	0.45%	Sabinene	Monoterpene
15	9.61	0.65%	beta-Pinene	Monoterpene
16	9.86	0.03%	1-Octen-3-ol	Aliphatic Alcohol
17	10.03	0.03%	Octan-3-one	Aliphatic Ketone
18	10.21	2.07%	Myrcene	Monoterpene
19	10.57	1.36%	3-Octanol	Aliphatic Alcohol
20	10.73	0.03%	Pseudolimonene	Monoterpene
21	11.30	0.31%	alpha-Terpinene	Monoterpene
22	11.64	0.23%	para-Cymene	Monoterpene
23	11.89	10.55%	Limonene	Monoterpene
24	11.96	1.94%	1,8-Cineole	Monoterpene Ether
25	12.22	0.16%	(Z)-beta-Ocimene	Monoterpene
26	12.68	0.10%	(E)-beta-Ocimene	Monoterpene
27	13.14	0.53%	gamma-Terpinene	Monoterpene
28	13.67	0.95%	trans-Sabinene hydrate	Monoterpenol
29	13.83	0.04%	1-Octanol	Aliphatic Alcohol
30	14.35	0.15%	Terpinolene	Monoterpene
31	14.57	0.03%	para-Cymenene	Monoterpene
32	15.24	0.03%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
33	15.31	0.01%	Nonanal	Aliphatic Aldehyde
34	15.50	0.02%	1-Octenyl-3 acetate	Monoterpene Ester
35	16.05	0.65%	Octan-3-yl acetate	Aliphatic Ester

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*Spearmint (Mentha spicata)*

US-59313

Number	RT	Area %	Compound Name	Chemical Family
36	16.37	0.06%	Alloocimene	Aliphatic Ester
37	16.49	0.01%	cis-Limonene oxide	Monoterpene Ether
38	16.70	0.06%	trans-Limonene oxide	Monoterpene Ether
39	16.81	0.05%	trans-Pinocarveol	Monoterpenol
40	16.95	0.07%	trans-para-Menth-2-en-1-ol	Monoterpenol
41	17.09	0.04%	trans-Verbenol	Monoterpenol
42	17.53	0.22%	Menthone	Monoterpene Ketone
43	17.77	0.02%	beta-Pinene oxide	Monoterpene Ether
44	17.92	0.08%	Isomenthone	Monoterpene Ketone
45	18.14	0.04%	para-Mentha-1,5-dien-8-ol	Monoterpenol
46	18.24	0.18%	Menthol	Monoterpenol
47	18.69	1.86%	Terpinen-4-ol	Monoterpenol
48	19.07	0.03%	Isomenthol	Monoterpenol
49	19.19	0.03%	Methyl salicylate	Phenolic Ester
50	19.49	2.29%	cis-Dihydrocarvone	Monoterpene Ketone
51	19.64	1.15%	neo-Dihydrocarveol	Monoterpenol
52	19.73	0.41%	trans-Dihydrocarvone	Monoterpene Ketone
53	19.97	0.01%	Decanal	Aliphatic Aldehyde
54	20.22	0.01%	Octyl acetate	Aliphatic Ester
55	20.74	0.49%	cis-Carveol	Monoterpenol
56	21.11	0.03%	cis-3-Hexenyl isovalerate	Aliphatic Ester
57	21.29	0.03%	Pulegone	Monoterpene Ketone
58	21.93	62.84%	Carvone	Monoterpene Ketone
59	22.11	0.19%	Piperitone	Monoterpene Ketone
60	22.48	0.05%	cis-Carvone oxide	
61	22.70	0.06%	Isopiperitenone	Monoterpene Ketone
62	22.95	0.02%	trans-Ascaridol glycol	Monoterpenol
63	23.04	0.09%	trans-Carvone oxide	Monoterpene Ketone
64	23.72	0.16%	Edulan II, dihydro-	Edulan
65	24.34	0.01%	20.48 Dihydro carveol acetate<neo->	0.00
66	24.44	0.01%	trans-Pinocarvyl acetate	Monoterpene Ether
67	25.21	0.41%	Dihydrocarvyl acetate	Monoterpene Ester
68	25.45	0.01%	delta-Elemene	Sesquiterpene
69	25.58	0.02%	trans-Caryl acetate	Monoterpene Ester
70	25.67	0.01%	Piperitenone	Sesquiterpene Ketone
71	26.05	0.02%	Myrtenyl acetate	Monoterpene Ester

Client



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*Spearmint (*Mentha spicata*)*

US-59313

				Eugenol	Phenylpropanoid
72	26.35	0.07%			Monoterpene Ester
73	26.69	0.44%		cis-Carvyl acetate	Sesquiterpene
74	27.30	0.07%		alpha-Copaene	Sesquiterpene
75	27.63	1.83%		beta-Bourbonene	Sesquiterpene
76	27.93	0.13%		beta-Elemene	Sesquiterpene
77	28.05	0.38%		cis-Jasmone	Jasmonate
78	28.60	0.02%		Isocaryophyllene	Sesquiterpene
79	28.95	0.02%		beta-Funebrene	Sesquiterpene
80	29.10	1.24%		beta-Caryophyllene	Sesquiterpene
81	29.54	0.27%		beta-Copaene	Sesquiterpene
82	30.41	0.03%		Geranylacetone	Monoterpene
83	30.56	0.07%		alpha-Humulene	Sesquiterpene
84	30.67	0.70%		(E)-beta-Farnesene	Sesquiterpene
85	30.84	0.03%		beta-Gurjunene	Sesquiterpene
86	31.09	0.13%		Dauca-5,8-diene	Sesquiterpene
87	31.43	0.01%		gamma-Muurolene	Sesquiterpene
88	31.63	0.67%		Germacrene D	Sesquiterpene
89	31.89	0.03%		2-Phenylethyl 3-methylbutyrate	Monoterpene Ester
90	32.22	0.02%		Bicyclogermacrene	Sesquiterpene
91	32.41	0.01%		alpha-Muurolene	Sesquiterpene
92	32.95	0.01%		gamma-Cadinene	Sesquiterpene
93	33.20	0.06%		delta-Cadinene	Sesquiterpene
94	35.53	0.05%		Caryophyllene oxide	Sesquiterpene Ether
95	36.04	0.26%		Viridiflorol	Sesquiterpenol