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Balancing Body, Mind and Spirit with Pure Essential Oils

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Bergamot Mint

Mentha citrata

Batch No. US-59022

United States

Monoterpenes	2.86%	Aldehydes	0.01%	Sesquiterpenes	3.54%
myrcene	1.29	phenylacetaldehyde	0.01	β caryophyllene	2.16
(E) β ocimene	0.68			germacrene D	0.93
(Z) β ocimene	0.37			β bourbonene	0.10
limonene	0.29	Esters	72.22%	α humulene	0.08
alloocimene	0.07	linalyl acetate	68.64	δ cadinene	0.07
γ terpinene	0.06	geranyl acetate	1.45	β elemene	0.06
β pinene	0.04	neryl acetate	0.76	β gurjunene	0.04
sabinene	0.03	octan-3-yl acetate	0.56	γ muurolene	0.02
p-cymene	0.02	1-octenyl-3 acetate	0.35	α copaene	0.02
α pinene	0.01	2-methylbutyl 2 methylbutyrate	0.30	allo-aromadendrene	0.02
		hexyl acetate	0.05	bicyclogermacrene	0.01
		octyl acetate	0.05	β copaene	0.01
		nonyl acetate	0.02	γ cadinene	0.01
Monoterpenols	19.76%	α terpinyl acetate	0.01	δ elemene	0.01
linalol	18.14	citronellyl acetate	0.01		
α terpineol	1.08	(Z) 3-hexenyl isovalerate	0.01	Sesquiterpenols	0.27%
(E) linalool oxide (5)	0.31	myrtenyl acetate	0.01	viridiflorol	0.27
nerol	0.19				
(Z) linalool oxide (5)	0.02	Ethers	0.51%		
terpinen-4-ol	0.02	1,8-cineole	0.48		
		caryophyllene oxide	0.03		
				Other	0.11%
		Ketones	0.07%	cis-jasmone	0.06
		isopinocampone	0.06	2,5-diethyltetrahydrofuran	0.03
		carvone	0.01	3-octanol	0.01
				1-octen-3-ol	0.01

Raw Material: rhind

Botanical Name: *Mentha citrata*

Production Method: Steam distillation

Date of analysis: February, 13, 2020

Client



Source



Bergamot Mint (*Mentha citrata*)
US-59022

Sample

Bergamot Mint (*Mentha citrata*)

Batch #:..... US-59022

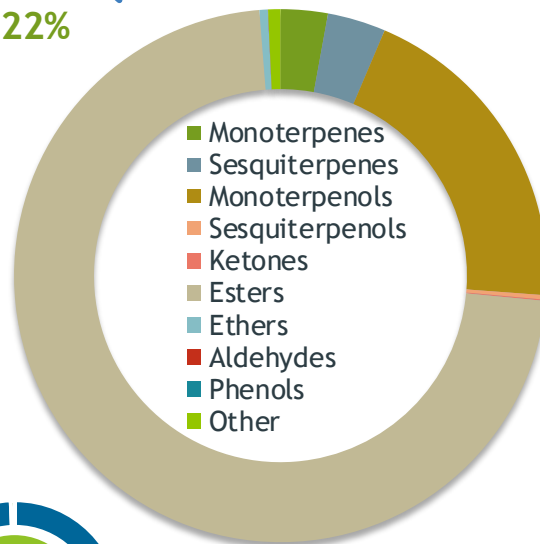
Type:..... Essential Oil

CAS Number:... 68917-15-7

Nature's Gift

Esters

72.22%



Percentage Identified

Client



Website



Primary

68.64%

Linalyl acetate

18.14%

Linalool

2.16%

beta-Caryophyllene

Result



Conclusion

No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Bergamot Mint (*Mentha citrata*)

Internal Number: | EVS-3560



Essential Validation Services

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Monoterpenes	2.86%
Sesquiterpenes	3.54%
Monoterpenols	19.78%
Sesquiterpenols	0.27%
Ketones	0.07%
Esters	72.22%
Ethers	0.51%
Aldehydes	0.01%
Phenols	0.00%
Other	0.75%

- 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

Bergamot Mint (*Mentha citrata*)

US-59022

Total Percentage		99.37%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.36	0.03%	2,5-Diethyltetrahydrofuran	Furan
2	8.72	0.01%	alpha-Pinene	Monoterpene
3	10.32	0.03%	Sabinene	Monoterpene
4	10.49	0.04%	beta-Pinene	Monoterpene
5	10.68	0.01%	1-Octen-3-ol	Aliphatic Alcohol
6	11.08	1.29%	Myrcene	Monoterpene
7	11.42	0.01%	3-Octanol	Aliphatic Alcohol
8	12.56	0.02%	para-Cymene	Monoterpene
9	12.67	0.05%	Hexyl acetate	Aliphatic Ester
10	12.77	0.29%	Limonene	Monoterpene
11	12.88	0.48%	1,8-Cineole	Monoterpene Ether
12	13.15	0.37%	(Z)-beta-Ocimene	Monoterpene
13	13.37	0.01%	Phenylacetaldehyde	Aliphatic Aldehyde
14	13.62	0.68%	(E)-beta-Ocimene	Monoterpene
15	14.11	0.06%	gamma-Terpinene	Monoterpene
16	14.67	0.02%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
17	15.40	0.31%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
18	16.14	18.14%	Linalool	Monoterpenol
19	16.25	0.30%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
20	16.48	0.35%	1-Octenyl-3 acetate	Monoterpene Ester
21	17.04	0.56%	Octan-3-yl acetate	Aliphatic Ester
22	17.39	0.07%	Alloocimene	Monoterpene
23	19.26	0.02%	delta-Terpineol	Monoterpenol
24	19.46	0.06%	Isopinocampone	Monoterpene Ketone
25	19.73	0.02%	Terpinen-4-ol	Monoterpenol
26	20.42	1.08%	alpha-Terpineol	Monoterpenol
27	21.25	0.05%	Octyl acetate	Aliphatic Ester
28	21.84	0.19%	Nerol	Monoterpenol
29	22.37	0.01%	cis-3-Hexenyl isovalerate	Aliphatic Ester
30	22.62	0.01%	Carvone	Monoterpene Ketone
31	23.18	68.64%	Linalyl acetate	Monoterpene Ester
32	25.74	0.02%	Nonyl acetate	Monoterpene Ester
33	26.19	0.01%	Myrtenyl acetate	Monoterpene Ester
34	26.60	0.01%	delta-Elemene	Sesquiterpene
35	27.24	0.01%	alpha-Terpinyl acetate	Monoterpene Ester

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Client



Source



Bergamot Mint (Mentha citrata)
US-59022

Number	RT	Area %	Compound Name	Chemical Family
36	27.435	0.01%	Citronellyl acetate	Monoterpene Ester
37	27.82	0.76%	Neryl acetate	Monoterpene Ester
38	28.46	0.02%	alpha-Copaene	Sesquiterpene
39	28.67	1.45%	Geranyl acetate	Monoterpene Ester
40	28.79	0.10%	beta-Bourbonene	Sesquiterpene
41	29.08	0.06%	beta-Elemene	Sesquiterpene
42	29.15	0.06%	cis-Jasmone	Jasmonate
43	30.28	2.16%	beta-Caryophyllene	Sesquiterpene
44	30.72	0.04%	beta-Gurjunene	Sesquiterpene
45	31.31	0.01%	beta-Copaene	Sesquiterpene
46	31.75	0.08%	alpha-Humulene	Sesquiterpene
47	31.93	0.02%	allo-Aromadendrene	Sesquiterpene
48	32.81	0.93%	Germacrene D	Sesquiterpene
49	33.41	0.01%	Bicyclogermacrene	Sesquiterpene
50	33.53	0.02%	gamma-Murolene	Sesquiterpene
51	34.13	0.01%	gamma-Cadinene	Sesquiterpene
52	34.37	0.07%	delta-Cadinene	Sesquiterpene
53	36.74	0.03%	Caryophyllene oxide	Sesquiterpene Ether
54	37.24	0.27%	Viridiflorol	Sesquiterpenol

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