

Client



Source



Andean Mint (*Menthostachys Mollis*)
12-7411.1121PIU24A

Sample

Andean Mint (*Menthostachys Mollis*)
Batch #:..... 12-7411.1121PIU24A
Type:..... Essential Oil
CAS Number:... N/A
Natural Sourcing LLC

Client



Website

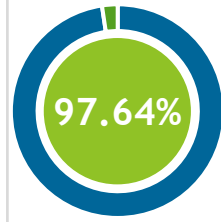
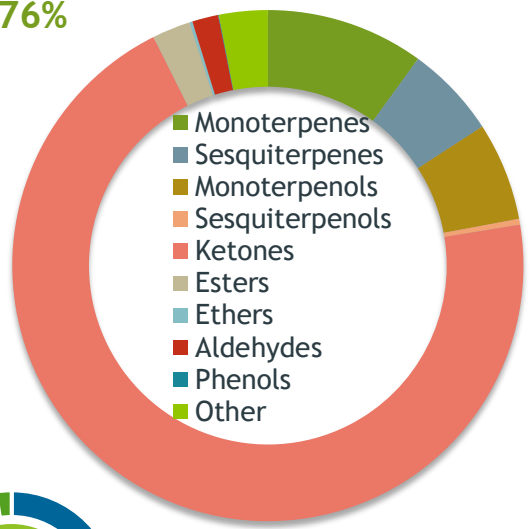


Primary

25.54% Menthone
24.99% Pulegone
4.80% cis-Dihydrocarvone

Ketones

67.76%



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 Andean Mint (*Menthostachys Mollis*)

Internal Number: | EVS-4935



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	9.6	9.66%
Sesquiterpenes	5	5.64%
Monoterpenols	6	6.01%
Sesquiterpenols		0.36%
Ketones	67.76%	67.76%
Esters		2.34%
Ethers		0.18%
Aldehydes		1.60%
Phenols		0.04%
Other		2.97%

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NATURAL SOURCING
 Cosmetic and Personal Care Ingredient Specialists
 PROUDLY SERVING YOU FOR OVER 30 YEARS

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Total Percentage		97.64%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.44	0.01%	(E)-2-Hexenal	Aliphatic Aldehyde
2	7.74	0.27%	alpha-Thujene	Monoterpene
3	7.99	0.40%	alpha-Pinene	Monoterpene
4	8.59	0.04%	Camphene	Monoterpene
5	8.70	0.09%	3-Methyl cyclohexanone	Aliphatic Ketone
6	9.53	0.19%	Sabinene	Monoterpene
7	9.69	0.41%	beta-Pinene	Monoterpene
8	10.10	0.34%	Octan-3-one	Aliphatic Ketone
9	10.27	0.52%	Myrcene	Monoterpene
10	10.62	0.56%	3-Octanol	Aliphatic Alcohol
11	10.80	0.02%	Pseudolimonene	Monoterpene
12	10.90	0.02%	alpha-Phellandrene	Monoterpene
13	11.01	0.01%	delta-3-Carene	Monoterpene
14	11.38	0.16%	alpha-Terpinene	Monoterpene
15	11.71	1.35%	para-Cymene	Monoterpene
16	11.92	4.56%	Limonene	Monoterpene
17	12.01	0.12%	1,8-Cineole	Monoterpene Ether
18	12.30	0.06%	(Z)-beta-Ocimene	Monoterpene
19	12.75	0.37%	(E)-beta-Ocimene	Monoterpene
20	13.22	1.22%	gamma-Terpinene	Monoterpene
21	13.75	0.06%	trans-Sabinene hydrate	Monoterpenol
22	14.43	0.04%	Terpinolene	Monoterpene
23	14.64	0.02%	para-Cymenene	Monoterpene
24	15.17	1.72%	Linalool	Monoterpenol
25	15.31	0.03%	Hotrienol	Monoterpenol
26	15.39	0.01%	Nonanal	Aliphatic Aldehyde
27	16.13	0.27%	Octan-3-yl acetate	Aliphatic Ester
28	16.48	0.02%	12.70 Ocimene<allo->	0.00
29	16.78	0.07%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
30	16.93	0.02%	cis-Sabinol	Monoterpenol
31	17.44	0.05%	cis-beta-Terpineol	Monoterpenol
32	17.71	25.54%	Menthone	Monoterpene Ketone
33	18.02	1.70%	Isomenthone	Monoterpene Ketone
34	18.21	0.02%	beta-Terpineol	Monoterpenol
35	18.52	1.25%	(Z)-isocitral	Monoterpene Aldehyde

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Number	RT	Area %	Compound Name	Chemical Family
36	18.685	0.14%	Menthol	Monoterpene Aldehyde
37	18.76	0.15%	Terpinen-4-ol	Monoterpenol
38	18.85	0.01%	(E)-Isocitral	Monoterpene Aldehyde
39	18.94	0.04%	para-Methylacetophenone	Simple Phenolic
40	19.48	1.25%	alpha-Terpineol	Monoterpenol
41	19.57	4.80%	cis-Dihydrocarvone	Monoterpene Ketone
42	19.82	0.78%	trans-Dihydrocarvone	Monoterpene Ketone
43	20.05	0.07%	Myrtenal	Monoterpene Aldehyde
44	20.63	0.19%	trans-Carveol	Monoterpenol
45	20.95	0.11%	Nerol	Monoterpenol
46	21.09	0.39%	Citronellol	Monoterpenol
47	21.46	24.99%	Pulegone	Monoterpene Ketone
48	21.66	4.76%	Carvone	Monoterpene Ketone
49	22.07	2.78%	Piperitone	Monoterpene Ketone
50	22.78	0.25%	Citral	Monoterpene Aldehyde
51	23.00	0.02%	cis-Isogeraniol	Monoterpenol
52	23.46	0.04%	Isobornyl acetate	Monoterpene Ether
53	23.90	0.34%	Thymol	Monoterpenol
54	24.24	1.45%	Carvacrol	Monoterpenol
55	25.55	0.28%	20.48 Dihydro carveol acetate	0.00
56	25.75	1.60%	Piperitenone	Sesquiterpene Ketone
57	26.18	0.38%	4-Methoxyacetophenone	Sesquiterpene Ketone
58	26.44	0.18%	Citronellyl acetate	Monoterpene Ester
59	26.82	0.06%	Neryl acetate	Monoterpene Ester
60	27.02	2.81%	22.38 Thymol acetate	0.00
61	27.39	0.15%	alpha-Cubebene	Sesquiterpene
62	27.67	1.83%	Geranyl acetate	Monoterpene Ester
63	27.93	0.02%	beta-Cubebene	Sesquiterpene
64	28.02	0.13%	beta-Elemene	Sesquiterpene
65	28.32	0.01%	1-Tetradecene	Alkene
66	28.59	0.02%	cis-Caryophyllene	Sesquiterpene
67	29.19	2.62%	Isocaryophyllene	Sesquiterpene
68	29.63	0.05%	Sibirene	Sesquiterpene
69	29.96	0.06%	Longifolene	Sesquiterpene
70	30.16	0.11%	beta-Humulene	0.00
71	30.43	0.04%	6,9-Guaiadiene	Sesquiterpene

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