

Client



Source



Niaouli, Organic (Melaleuca quinquenervia)
B680101

Sample

Niaouli, Organic (Melaleuca quinquenervia)

Batch #:..... B680101

Type:..... Essential Oil

CAS Number:... 8014-68-4

Natural Sourcing LLC

Client



Website



Primary

53.36%

1,8-Cineole

9.25%

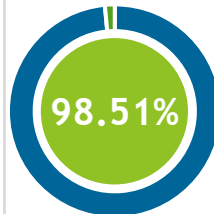
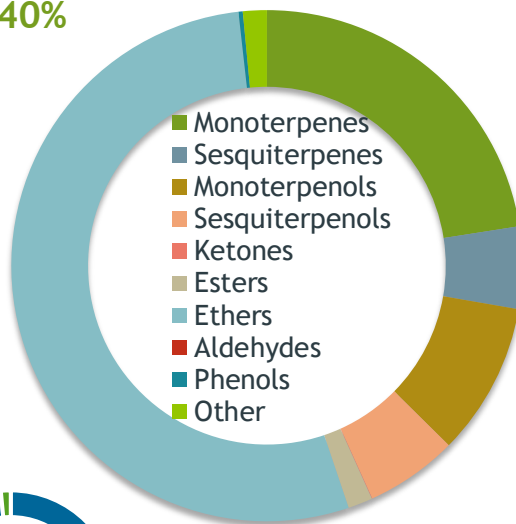
alpha-Pinene

8.06%

alpha-Terpineol

Ethers

53.40%



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 Niaouli, Organic (Melaleuca quinquenervia)

Internal Number: | EVS-4896



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	22.53%	22.53%
Sesquiterpenes	5.20%	5.20%
Monoterpenols	9.67%	9.67%
Sesquiterpenols	5.84%	5.84%
Ketones	0.03%	0.03%
Esters	1.55%	1.55%
Ethers	53.40%	53.40%
Aldehydes	0.00%	0.00%
Phenols	0.27%	0.27%
Other	1.51%	1.51%

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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		98.51%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.53	0.01%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
2	6.20	0.01%	2-Methylbutyl acetate	Aliphatic Ester
3	7.77	0.28%	alpha-Thujene	Monoterpene
4	8.02	9.25%	alpha-Pinene	Monoterpene
5	8.61	0.11%	Camphene	Monoterpene
6	9.10	0.27%	Benzaldehyde	Simple Phenolic
7	9.71	2.69%	beta-Pinene	Monoterpene
8	10.11	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
9	10.30	1.30%	Myrcene	Monoterpene
10	10.83	0.07%	Pseudolimonene	Monoterpene
11	10.94	0.12%	alpha-Phellandrene	Monoterpene
12	11.04	0.02%	delta-3-Carene	Monoterpene
13	11.41	0.41%	alpha-Terpinene	Monoterpene
14	11.76	1.47%	para-Cymene	Monoterpene
15	11.95	4.20%	Limonene	Monoterpene
16	12.15	53.36%	1,8-Cineole	Monoterpene Ether
17	12.33	0.02%	(Z)-beta-Ocimene	Monoterpene
18	12.78	0.03%	(E)-beta-Ocimene	Monoterpene
19	13.25	1.61%	gamma-Terpinene	Monoterpene
20	14.47	0.90%	Terpinolene	Monoterpene
21	14.67	0.04%	para-Cymenene	Monoterpene
22	14.85	0.03%	Methyl benzoate	Phenolic Ester
23	15.19	0.19%	Linalool	Monoterpenol
24	15.63	0.01%	cis-Rose oxide	Monoterpene Ether
25	15.97	0.05%	Fenchol	Monoterpenol
26	16.92	0.02%	trans-Pinocarveol	Monoterpenol
27	17.31	0.05%	neo-Isopulegol	Monoterpenol
28	17.55	0.01%	Camphene hydrate	Monoterpenol
29	17.75	0.02%	Isopulegol	Monoterpenol
30	18.33	0.22%	delta-Terpineol	Monoterpenol
31	18.78	0.94%	Terpinen-4-ol	Monoterpenol
32	19.14	0.03%	para-Cymen-8-ol	Monoterpenol
33	19.52	8.06%	alpha-Terpineol	Monoterpenol
34	21.05	0.03%	Citronellol	Monoterpenol
35	21.66	0.02%	Carvone	Monoterpene Ketone

 ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- 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

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Number	RT	Area %	Compound Name	Chemical Family
36	22.091	0.05%	Nerol	Monoterpene Ketone
37	24.79	0.03%	delta-Terpinyl acetate	Monoterpene Ester
38	25.20	0.03%	Myrtenyl acetate	Monoterpene Ester
39	26.25	1.43%	alpha-Terpinyl acetate	Monoterpene Ester
40	27.22	0.01%	alpha-Cubebene	Sesquiterpene
41	27.45	0.11%	Isoledene	Sesquiterpene
42	27.69	0.01%	Geranyl acetate	Monoterpene Ester
43	28.34	0.01%	1-Tetradecene	Alkene
44	28.61	0.01%	cis-Caryophyllene	Sesquiterpene
45	28.74	0.18%	beta-Patchoulene	Sesquiterpene
46	29.22	2.02%	beta-Caryophyllene	Sesquiterpene
47	29.55	0.01%	Isocaryophyllene	Sesquiterpene
48	30.07	0.14%	Aromadendrene	Sesquiterpene
49	30.30	0.02%	alpha-Guaiene	Sesquiterpene
50	30.69	0.42%	alpha-Humulene	Sesquiterpene
51	30.87	0.51%	allo-Aromadendrene	Sesquiterpene
52	31.47	0.07%	gamma-Selinene	Sesquiterpene
53	31.55	0.04%	cis-Cadina-1(6),4-diene	Sesquiterpene
54	32.19	1.12%	gamma-Gurjunene	Sesquiterpene
55	32.36	0.20%	alpha-Selinene	Sesquiterpene
56	32.53	0.05%	alpha-Amorphene	Sesquiterpene
57	33.32	0.26%	beta-Cadinene	Sesquiterpene
58	33.46	0.02%	gamma-Cadinene	Sesquiterpene
59	33.83	0.01%	beta-Curcumene	Monoterpene
60	34.46	0.01%	Italicene epoxide	Sesquiterpene Ester
61	34.94	0.01%	Germacrene B	Sesquiterpene
62	35.07	0.57%	(E)-Nerolidol	Sesquiterpenol
63	35.23	0.17%	Palustrol	Sesquiterpenol
64	36.18	4.26%	Maaliol	Sesquiterpenol
65	36.55	0.70%	Globulol	Sesquiterpenol
66	36.73	0.03%	Caryophyllene oxide	Sesquiterpene Ether
67	37.01	0.01%	1,10-di-epi-Cubenol	Sesquiterpenol
68	37.31	0.02%	Rosifoliol	Sesquiterpenol
69	37.62	0.02%	10-epi-gamma-Eudesmol	Sesquiterpenol
70	38.41	0.03%	beta-Eudesmol	Sesquiterpenol
71	38.47	0.06%	T-Cadinol	Sesquiterpenol