

Client



Source



Organic Niaouli (*Melaleuca quinquenervia*)
B680099

Sample

Organic Niaouli (*Melaleuca quinquenervia*)

Batch #:..... B680099

Type:..... Essential Oil

CAS Number:... 8014-68-4

Natural Sourcing LLC

Client



Website



Primary

60.41%

1,8-Cineole

7.85%

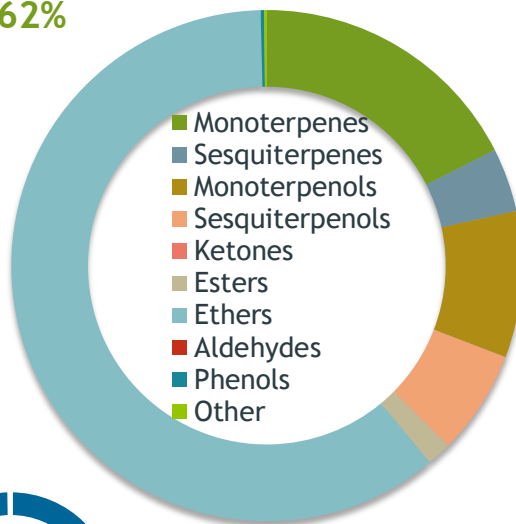
alpha-Terpineol

6.75%

alpha-Pinene

Ethers

60.62%



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 Organic Niaouli (*Melaleuca quinquenervia*)

Internal Number: | EVS-4321



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	17.53%	17.53%
Sesquiterpenes	4.04%	4.04%
Monoterpenols	9.26%	9.26%
Sesquiterpenols	6.61%	6.61%
Ketones	0.00%	0.00%
Esters	1.55%	1.55%
Ethers	60.62%	60.62%
Aldehydes	0.00%	0.00%
Phenols	0.22%	0.22%
Other	0.17%	0.17%

- 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 - This report may not be published without the consent of Essential Validation Services.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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NATURAL SOURCING
 Cosmetic and Personal Care Ingredient Specialists
 PROUDLY SERVING YOU FOR OVER 30 YEARS

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Total Percentage		99.83%		
Number	RT	Area %	Compound Name	Chemical Family
1	6.69	0.01%	Styrene	Phenylpropanoid
2	7.93	0.21%	alpha-Thujene	Monoterpene
3	8.18	6.75%	alpha-Pinene	Monoterpene
4	8.79	0.08%	Camphene	Monoterpene
5	9.26	0.16%	Benzaldehyde	Simple Phenolic
6	9.73	0.05%	Sabinene	Monoterpene
7	9.89	2.24%	beta-Pinene	Monoterpene
8	10.48	1.06%	Myrcene	Monoterpene
9	11.02	0.05%	Pseudolimonene	Monoterpene
10	11.12	0.08%	alpha-Phellandrene	Monoterpene
11	11.23	0.01%	delta-3-Carene	Monoterpene
12	11.60	0.32%	2-Carene	Monoterpene
13	11.94	1.02%	para-Cymene	Monoterpene
14	12.15	3.58%	Limonene	Monoterpene
15	12.33	60.41%	1,8-Cineole	Monoterpene Ether
16	12.52	0.01%	(Z)-beta-Ocimene	Monoterpene
17	12.97	0.02%	(E)-beta-Ocimene	Monoterpene
18	13.45	1.38%	gamma-Terpinene	Monoterpene
19	14.67	0.65%	Terpinolene	Monoterpene
20	14.87	0.02%	para-Cymenene	Monoterpene
21	15.04	0.02%	Methyl benzoate	Phenolic Ester
22	15.39	0.13%	Linalool	Monoterpenol
23	16.17	0.03%	Fenchol	Monoterpenol
24	17.12	0.02%	trans-Pinocarveol	Monoterpenol
25	17.51	0.04%	Isopulegol	Monoterpenol
26	17.76	0.01%	Camphene hydrate	Monoterpenol
27	18.53	0.18%	delta-Terpineol	Monoterpenol
28	18.99	0.88%	Terpinen-4-ol	Monoterpenol
29	19.33	0.03%	para-Cymen-8-ol	Monoterpenol
30	19.73	7.85%	alpha-Terpineol	Monoterpenol
31	21.25	0.04%	Citronellol	Monoterpenol
32	22.30	0.05%	Geraniol	Monoterpenol
33	25.01	0.03%	delta-Terpinyl acetate	Monoterpene Ester
34	25.42	0.04%	Myrtenyl acetate	Monoterpene Ester
35	26.46	1.46%	alpha-Terpinyl acetate	Monoterpene Ester

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Number	RT	Area %	Compound Name	Chemical Family
36	26.653	0.05%	Eugenol	Monoterpene Ester
37	27.67	0.06%	Isodene	Sesquiterpene
38	28.96	0.11%	alpha-Gurjunene	Sesquiterpene
39	29.45	1.48%	Isocaryophyllene	Sesquiterpene
40	30.30	0.09%	Aromadendrene	Sesquiterpene
41	30.91	0.31%	alpha-Humulene	Sesquiterpene
42	31.10	0.35%	allo-Aromadendrene	Sesquiterpene
43	31.69	0.04%	gamma-Selinene	Sesquiterpene
44	31.77	0.02%	gamma-Murolene	Sesquiterpene
45	32.28	0.29%	beta-Selinene	Sesquiterpene
46	32.41	0.80%	Viridiflorene	Sesquiterpene
47	32.58	0.15%	alpha-Selinene	Sesquiterpene
48	32.75	0.05%	alpha-Murolene	Sesquiterpene
49	33.29	0.13%	gamma-Cadinene	Sesquiterpene
50	33.54	0.16%	delta-Cadinene	Sesquiterpene
51	35.28	0.27%	(E)-Nerolidol	Sesquiterpenol
52	35.46	0.17%	Palustrol	Sesquiterpenol
53	35.89	0.17%	Caryophyllene oxide	Sesquiterpene Ether
54	36.07	0.05%	Maaliol	Sesquiterpenol
55	36.41	5.05%	Viridiflorol	Sesquiterpenol
56	36.78	0.89%	Ledol	Sesquiterpenol
57	36.95	0.04%	Humulene epoxide II	Sesquiterpene Ether
58	37.53	0.01%	Rosifoliol	Sesquiterpenol
59	37.83	0.01%	gamma-Eudesmol	Sesquiterpenol
60	38.22	0.06%	T-Cadinol	Sesquiterpenol
61	38.64	0.04%	beta-Eudesmol	Sesquiterpenol
62	38.69	0.06%	T-Murolol	Sesquiterpenol

ESSENTIAL VALIDATION SERVICES | 74 SW 27th AVE GAINESVILLE, FLORIDA 32601 | 352-350-5044

