

Client



Source



Neroli (*Citrus aurantium amara*)
039210629

Sample

Neroli (*Citrus aurantium amara*)

Batch #:..... 039210629

Type:..... Essential Oil

CAS Number:... 8016-38-4

Natural Sourcing LLC

Client



Website



Primary

38.38%

Linalool

14.31%

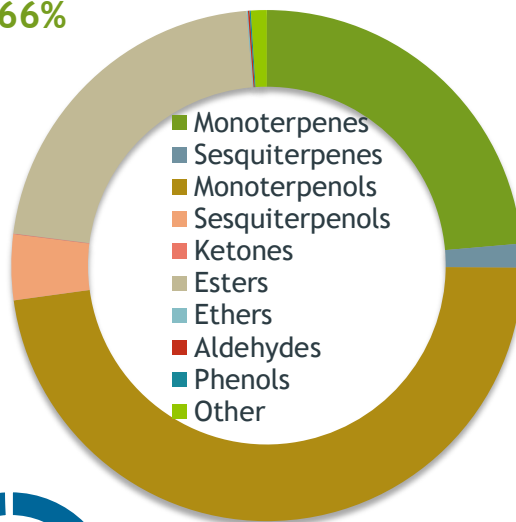
Linalyl acetate

9.13%

Limonene

Monoterpenols

47.66%



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 Neroli (*Citrus aurantium amara*)

Internal Number: | EVS-4436



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	23.61%	23.61%
Sesquiterpenes	1.51%	1.51%
Monoterpenols	47.66%	47.66%
Sesquiterpenols	4.14%	4.14%
Ketones	0.04%	0.04%
Esters	21.72%	21.72%
Ethers	0.08%	0.08%
Aldehydes	0.10%	0.10%
Phenols	0.08%	0.08%
Other	1.00%	1.00%

- 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 - This report may not be published without the consent of Essential Validation Services.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		99.45%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.93	0.01%	(E)-2-Hexenol	Aliphatic Alcohol
2	6.04	0.03%	1-Hexanol	Aliphatic Alcohol
3	7.91	0.03%	alpha-Thujene	Monoterpene
4	8.15	0.40%	alpha-Pinene	Monoterpene
5	8.76	0.03%	Camphene	Monoterpene
6	9.25	0.02%	Benzaldehyde	Simple Phenolic
7	9.56	0.03%	Isopropyl tiglate	Aliphatic Ester
8	9.70	0.55%	Sabinene	Monoterpene
9	9.87	4.45%	beta-Pinene	Monoterpene
10	10.26	0.04%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
11	10.45	2.42%	Myrcene	Monoterpene
12	11.10	0.05%	cis-Dehydroxylinalool oxide	Monoterpenol
13	11.19	0.01%	delta-3-Carene	Monoterpene
14	11.46	0.03%	Hexyl acetate	Aliphatic Ester
15	11.57	0.06%	alpha-Terpinene	Monoterpene
16	11.90	0.06%	para-Cymene	Monoterpene
17	12.13	9.13%	Limonene	Monoterpene
18	12.48	0.87%	(Z)-beta-Ocimene	Monoterpene
19	12.95	4.76%	(E)-beta-Ocimene	Monoterpene
20	13.41	0.10%	gamma-Terpinene	Monoterpene
21	13.97	0.25%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
22	14.20	0.01%	Bergamal	Aliphatic Aldehyde
23	14.63	0.51%	Terpinolene	Monoterpene
24	14.71	0.16%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
25	15.18	0.01%	alpha-Pinene oxide	Monoterpene Ether
26	15.58	38.38%	Linalool	Monoterpenol
27	15.88	0.04%	2-Phenylethanol	Simple Phenolic
28	16.01	0.04%	Perillene	Monoterpene Ether
29	16.43	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
30	16.67	0.18%	Alloocimene	Monoterpene
31	17.19	0.02%	(Z)-Epoxy-ocimene	Monoterpene
32	17.57	0.01%	cis-beta-Terpineol	Monoterpenol
33	18.58	0.01%	para-Mentha-1,5-dien-8-ol	Monoterpenol
34	18.96	0.27%	Terpinen-4-ol	Monoterpenol
35	19.31	0.01%	para-Cymen-8-ol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	19.48	0.02%	(Z)-3-Hexenyl butyrate	Monoterpenol
37	19.71	6.84%	alpha-Terpineol	Monoterpenol
38	20.37	0.02%	16.55 Cyclocitral<beta->	0.00
39	20.50	0.01%	Octyl acetate	Aliphatic Ester
40	21.08	1.62%	Nerol	Monoterpenol
41	21.65	0.03%	Citral	Monoterpene Aldehyde
42	22.31	14.31%	Linalyl acetate	Monoterpene Ester
43	23.00	0.06%	Geranial	Monoterpene Aldehyde
44	23.68	0.01%	Bornyl acetate	Monoterpene Ester
45	23.94	0.16%	Indole	Indole
46	24.22	0.02%	1-Nitro-2-phenyl ethane	Phenol
47	25.76	0.10%	delta-Elemene	Sesquiterpene
48	25.85	0.01%	Linalyl propionate	Monoterpene Ester
49	26.03	0.23%	Methyl anthranilate	Phenolic Ester
50	26.42	0.10%	alpha-Terpinyl acetate	Monoterpene Ester
51	27.03	2.46%	Neryl acetate	Monoterpene Ester
52	27.89	4.45%	Geranyl acetate	Monoterpene Ester
53	28.24	0.03%	beta-Elemene	Sesquiterpene
54	28.35	0.02%	cis-Jasmone	Jasmonate
55	28.86	0.02%	Methyl N-methyl anthranilate	Phenolic Ester
56	29.41	0.83%	beta-Caryophyllene	Sesquiterpene
57	29.90	0.02%	gamma-Elemene	Sesquiterpene
58	30.71	0.03%	Geranylacetone	Monoterpene
59	30.88	0.08%	alpha-Humulene	Sesquiterpene
60	30.96	0.11%	(E)-beta-Farnesene	Sesquiterpene
61	31.94	0.07%	Germacrene D	Sesquiterpene
62	32.37	0.01%	Viridiflorene	Sesquiterpene
63	32.53	0.17%	Bicyclogermacrene	Sesquiterpene
64	32.71	0.01%	alpha-Muurolene	Sesquiterpene
65	32.96	Co-Eluting	Pentadecane	Alkane
66	33.05	0.03%	(E,E)-alpha-Farnesene	Sesquiterpene
67	33.50	0.04%	beta-Cadinene	Sesquiterpene
68	33.73	0.01%	beta-Sesquiphellandrene	Sesquiterpene
69	35.25	1.90%	(E)-Nerolidol	Sesquiterpenol
70	35.69	0.03%	Spathulenol	Sesquiterpenol
71	35.85	0.03%	Caryophyllene oxide	Sesquiterpene Ether

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