



Neroli
Citrus aurantium var amara

Batch No. EG-59345
Egypt

Monoterpenes	22.91%
limonene	9.70
β pinene	5.22
(E) β ocimene	4.12
myrcene	1.49
sabinene	0.55
(Z) β ocimene	0.55
α pinene	0.42
isoterpinolene	0.41
γ terpinene	0.19
allo ocimene	0.09
para cymene	0.08
α terpinene	0.05
camphene	0.03
α thujene	0.01

Monoterpenols	53.2%
linalol	47.42
α terpineol	4.49
nerol	0.82
terpinen-4-ol	0.21
cis-Linalool oxide (5) (furanoid)	0.17
geraniol	0.09

Sesquiterpenes	1.18%
β caryophyllene	0.76
bicyclogermacrene	0.12
(E) β farnesene	0.07
α humulene	0.07
δ elemene	0.06
germacrene D	0.05
β elemene	0.03
δ cadinene	0.02

Aldehydes	0.07%
neral	0.05
(Z) jasmone	0.02

Ketones	0.25%
camphor	0.22
geranylacetone	0.02
6-methyl-5-hepten-2-one	0.01

Sequiterpenols	3.22%
(E) Nerolidol	2.47
(E,E) farnesol	0.74
spathulenol	0.01

Esters	18.32%
linalyl acetate	13.37
geranyl acetate	3.22
neryl acetate	1.59
α terpinyl acetate	0.07
methyl anthranilate	0.05
(Z) 3-hexenyl butyrate	0.02

Ethers	0.03%
perillene	0.03

Phenols	0.15%
phenylacetone nitrile	0.15

Other	0.21%
indole	0.05
1-tetradecene	0.02
tricosane	0.03
pentacosane	0.03
auraptene	0.05
heptacosane	0.02
nonacosane	0.01

Client



Source



Neroli (*Citrus aurantium amara*)
EG-59345

Sample

Neroli (*Citrus aurantium amara*)
Batch #:..... EG-59345
Type:..... Essential Oil
CAS Number:... 8016-38-4
Nature's Gift

Client



Website

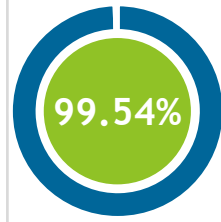
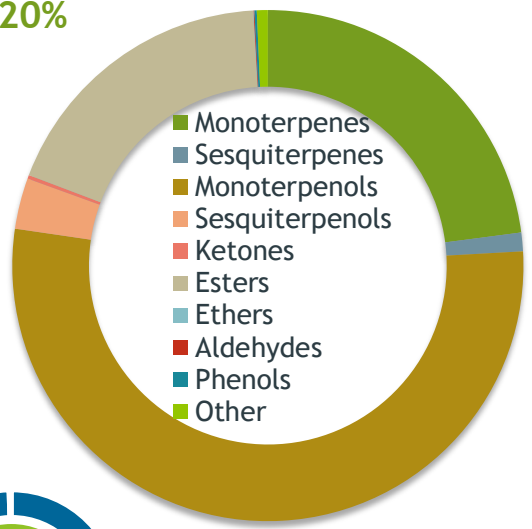


Primary

47.42% | Linalool
13.37% | Linalyl acetate
9.70% | Limonene

Monoterpenols

53.20%



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-5699



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	22.93%	22.93%
Sesquiterpenes	1.18%	1.18%
Monoterpenols	53.20%	53.20%
Sesquiterpenols	3.22%	3.22%
Ketones	0.23%	0.23%
Esters	18.32%	18.32%
Ethers	0.03%	0.03%
Aldehydes	0.05%	0.05%
Phenols	0.15%	0.15%
Other	0.69%	0.69%

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Client



Source

Neroli (*Citrus aurantium amara*)

EG-59345

Total Percentage		99.54%		
Number	RT	Area %	Compound Name	Chemical Family
1	8.13	0.01%	alpha-Thujene	Monoterpene
2	8.39	0.42%	alpha-Pinene	Monoterpene
3	9.00	0.03%	Camphene	Monoterpene
4	9.95	0.55%	Sabinene	Monoterpene
5	10.12	5.22%	beta-Pinene	Monoterpene
6	10.52	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
7	10.70	1.49%	Myrcene	Monoterpene
8	11.82	0.05%	alpha-Terpinene	Monoterpene
9	12.16	0.08%	para-Cymene	Monoterpene
10	12.38	9.70%	Limonene	Monoterpene
11	12.74	0.55%	(Z)-beta-Ocimene	Monoterpene
12	13.20	4.12%	(E)-beta-Ocimene	Monoterpene
13	13.68	0.19%	gamma-Terpinene	Monoterpene
14	14.23	0.17%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
15	14.91	0.41%	Isoterpinolene	Monoterpene
16	15.76	47.42%	Linalool	Monoterpenol
17	16.26	0.03%	Perillene	Monoterpene Ether
18	16.93	0.09%	Alloocimene	Monoterpene
19	17.28	0.15%	Phenylacetone nitrile	Simple Phenolic
20	17.63	0.22%	Camphor	Monoterpene Ketone
21	19.24	0.21%	Terpinen-4-ol	Monoterpenol
22	19.73	0.02%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
23	19.95	4.49%	alpha-Terpineol	Monoterpenol
24	21.33	0.82%	Nerol	Monoterpenol
25	21.92	0.05%	Neral	Monoterpene Aldehyde
26	22.52	13.37%	Linalyl acetate	Monoterpene Ester
27	23.26	0.09%	Geraniol	Monoterpenol
28	24.27	0.05%	Indole	Indole
29	26.15	0.06%	delta-Elemene	Sesquiterpene
30	26.33	0.05%	Methyl anthranilate	Phenolic Ester
31	26.67	0.07%	alpha-Terpinyl acetate	Monoterpene Ester
32	27.26	1.59%	Neryl acetate	Monoterpene Ester
33	28.10	3.22%	Geranyl acetate	Monoterpene Ester
34	28.48	0.03%	beta-Elemene	Sesquiterpene
35	28.60	0.02%	cis-Jasmone	Jasmonate



Neroli (*Citrus aurantium amara*)
EG-59345

Number	RT	Area %	Compound Name	Chemical Family
36	28.732	0.02%	1-Tetradecene	Jasmonate
37	29.65	0.76%	beta-Caryophyllene	Sesquiterpene
38	30.94	0.02%	Geranylacetone	Monoterpene
39	31.12	0.07%	alpha-Humulene	Sesquiterpene
40	31.19	0.07%	(E)-beta-Farnesene	Sesquiterpene
41	32.17	0.05%	Germacrene D	Sesquiterpene
42	32.76	0.12%	Bicyclogermacrene	Sesquiterpene
43	33.73	0.02%	delta-Cadinene	Sesquiterpene
44	35.46	2.47%	(E)-Nerolidol	Sesquiterpenol
45	35.92	0.01%	Spathulenol	Sesquiterpenol
46	41.20	0.74%	(E,E)-Farnesol	Sesquiterpenol
47	58.49	0.03%	Tricosane	Alkane
48	60.21	0.03%	Pentacosane	Alkane
49	60.96	0.05%	Auraptene	Coumarin
50	61.32	0.02%	Heptacosane	Alkane
51	62.37	0.01%	Nonacosane	Alkane

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- 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