



Petitgrain Sur Fleur *Citrus aurantium*

Batch No. EG-59347
Egypt

Monoterpenes 17.19%

limonene	5.88
α terpineol	3.77
(E) β ocimene	2.29
myrcene	1.87
β pinene	1.67
(Z) β ocimene	0.56
isoterpinolene	0.32
sabinene	0.31
α pinene	0.16
allo-ocimene	0.09
terpinen-4-ol	0.09
γ terpinene	0.09
para-cymene	0.03
α terpinene	0.03
δ 3 carene	0.02
camphene	0.01

Aldehydes 0.12%

geranial	0.07
neral	0.05

Ethers 0.02%

caryophyllene oxide	0.02
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Esters 55%

linalyl acetate	49.11
geranyl acetate	3.54
neryl acetate	2.00
methyl N-methyl anthranilate	0.22
α terpinyl acetate	0.08
(Z) 3-hexenyl acetate	0.02
hexyl acetate	0.02
citronellyl acetate	0.01

Sesquiterpenes 1.46%

β caryophyllene	0.99
bicyclogermacrene	0.20
α humulene	0.10
δ elemene	0.09
δ cadinene	0.04
β elemene	0.02
germacrene D	0.02

Sesquiterpenols 0.16%

(E) nerolidol	0.13
spathulenol	0.03

Monoterpenols 29.6%

linalol	24.94
nerol	0.73
cis-linalool oxide (5) (furanoid)	0.08
hotrienol	0.08
α terpineol	3.77

Ketones 0.03%

camphor	0.03
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Other 0.15%

(E) 2-hexenol	0.01
1-tetradecene	0.02
(Z) hex-en-1-ol	0.06
1 hexanol	0.06

Client



Source



Petitgrain Sur Fleur (*Citrus aurantium amara*)
EG-59347

Sample

Petitgrain Sur Fleur (*Citrus aurantium*)

Batch #:..... EG-59347

Type:..... Essential Oil

CAS Number:... 8016-38-4

Nature's Gift

Client



Website



Primary

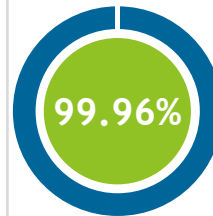
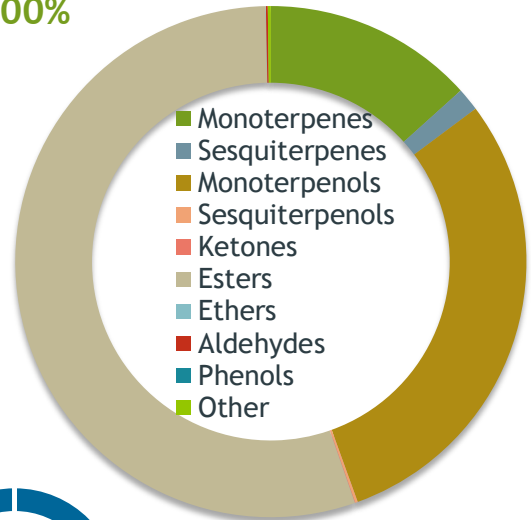
49.11% | Linalyl acetate

24.94% | Linalool

5.88% | Limonene

Esters

55.00%



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 Petitgrain Sur Fleur (*Citrus aurantium amara*)

Internal Number: | EVS-5701



Essential Validation Services

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Alan Chastain

Monoterpenes	13.33%	13.33%
Sesquiterpenes	1.46%	1.46%
Monoterpenols	29.69%	29.69%
Sesquiterpenols	0.16%	0.16%
Ketones	0.03%	0.03%
Esters	55.00%	55.00%
Ethers	0.02%	0.02%
Aldehydes	0.12%	0.12%
Phenols	0.00%	0.00%
Other	0.19%	0.19%

Client



Source

Petitgrain Sur Fleur (*Citrus aurantium amara*)

EG-59347

Total Percentage		99.96%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.82	0.06%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
2	6.13	0.01%	(E)-2-Hexenol	Aliphatic Alcohol
3	6.24	0.06%	1-Hexanol	Aliphatic Alcohol
4	8.39	0.16%	alpha-Pinene	Monoterpene
5	9.01	0.01%	Camphene	Monoterpene
6	9.96	0.31%	Sabinene	Monoterpene
7	10.12	1.67%	beta-Pinene	Monoterpene
8	10.70	1.87%	Myrcene	Monoterpene
9	11.40	0.02%	(Z)-3-Hexenyl acetate	Aliphatic Ester
10	11.46	0.02%	delta-3-Carene	Monoterpene
11	11.72	0.02%	Hexyl acetate	Aliphatic Ester
12	11.83	0.03%	alpha-Terpinene	Monoterpene
13	12.17	0.03%	para-Cymene	Monoterpene
14	12.38	5.88%	Limonene	Monoterpene
15	12.75	0.56%	(Z)-beta-Ocimene	Monoterpene
16	13.21	2.29%	(E)-beta-Ocimene	Monoterpene
17	13.69	0.09%	gamma-Terpinene	Monoterpene
18	14.24	0.08%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
19	14.91	0.32%	Isoterpinolene	Monoterpene
20	15.72	24.94%	Linalool	Monoterpenol
21	15.81	0.08%	Hotrienol	Monoterpenol
22	16.93	0.09%	Alloocimene	Monoterpene
23	17.65	0.03%	Camphor	Monoterpene Ketone
24	19.25	0.09%	Terpinen-4-ol	Monoterpenol
25	19.95	3.77%	alpha-Terpineol	Monoterpenol
26	21.34	0.73%	Nerol	Monoterpenol
27	21.93	0.05%	Neral	Monoterpene Aldehyde
28	22.60	49.11%	Linalyl acetate	Monoterpene Ester
29	23.28	0.07%	Geranial	Monoterpene Aldehyde
30	26.01	0.09%	delta-Elemene	Sesquiterpene
31	26.68	0.08%	alpha-Terpinyl acetate	Monoterpene Ester
32	26.89	0.01%	Citronellyl acetate	Monoterpene Ester
33	27.27	2.00%	Neryl acetate	Monoterpene Ester
34	28.11	3.54%	Geranyl acetate	Monoterpene Ester
35	28.48	0.02%	beta-Elemene	Sesquiterpene

