



Lavender Maillette Lavandula angustifolia

Batch No. #FR-59043
 France

Monoterpenes 2.78%

(Z)- β ocimene	0.66
myrcene	0.65
(E)- β -ocimene	0.53
camphene	0.22
limonene	0.14
para cymene	0.13
allo-ocimene	0.11
δ 3-carene	0.09
α pinene	0.08
o-cymene	0.08
β pinene	0.07
tricyclene	0.02

Esters 39.93%

linalyl acetate	35.88
1-octenyl-3 acetate	1.00
geranyl acetate	0.88
hexyl acetate	0.56
neryl acetate	0.45
lavandulyl acetate	0.32
hexyl hexanoate	0.15
octan-3-yl acetate	0.14
hexyl isobutyrate	0.10
bornyl acetate	0.08
hexyl 2-methyl butanoate	0.07
hexyl tiglate	0.06
bornyl formate	0.05
hexyl propanoate	0.05
(Z) 3-hexenyl acetate	0.04
(Z) sesquisabinene hydrate	0.03
(Z)-3-hexenyl butyrate	0.03
butyl acetate	0.01
isobutyl butyrate	0.01
octyl acetate	0.01
para-Mentha-1,5-dien-8-ol	0.01

Sesquiterpenes 4.74%

(Z)-caryophyllene	2.8
(E) β farnesene	1.46
α -trans-bergamotene	0.15
γ muurolene	0.08
sesquisabinene	0.06
(Z) α bergamotene	0.05
β caryophyllene	0.04
γ cadinene	0.03
epi β santalene	0.03
sesquithujene	0.02
β bourbonene	0.01
β bisabolene	0.01

Monoterpenols 46.12%

linalool	41.52
borneol	1.97
α terpineol	1.86
para-cymen-8-ol	0.29
nerol	0.18
hotrienol	0.09
cis-linalol oxide (6)	0.09
lavandulol	0.08
trans-pinocarveol	0.04

Ethers 1.33%

cis-linalool oxide (5)	0.65
trans-linalool oxide (5)	0.53
methyl hexyl ether	0.13
1,8 cineole	0.02
nerol oxide	0.02

Sesquiterpenols 0.58%

longipinanol	0.56
τ cadinol	0.02

Aldehydes 0.03%

perilla aldehyde	0.01
hexanal	0.01
(E) 2-hexenal	0.01

Ketones 2.28%

octan-3-one	1.77
camphor	0.49
camphenilone	0.02

Other 1.43%

1 octen-3-ol	0.49
3-octanol	0.49
(Z) hex-3-en-1-ol	0.16
1 hexanol	0.14
coumarin	0.11
1-octanol	0.03
toluene	0.01

Raw Material: Lavender Maillette
 Production Method: Steam Dist., flowering tops
 Date of Analysis: 6/5/2020

Client



Source



Lavender (*Lavandula angustifolia*)
FR-59043

Sample

Lavender (*Lavandula angustifolia*)

Batch #:..... FR-59043

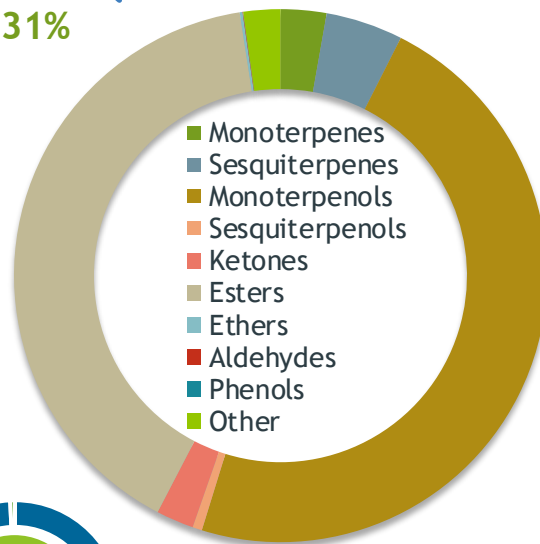
Type:..... Essential Oil

CAS Number:... 8000-28-0

Nature's Gift

Monoterpenols

47.31%



Percentage Identified

Client



Website



Primary

41.52%

Linalool

35.88%

Linalyl acetate

2.80%

cis-Caryophyllene

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Lavender (*Lavandula angustifolia*)

Internal Number: | EVS-3707



Essential Validation Services

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Monoterpenes	2.78%
Sesquiterpenes	4.68%
Monoterpenols	47.31%
Sesquiterpenols	0.58%
Ketones	2.28%
Esters	39.92%
Ethers	0.17%
Aldehydes	0.03%
Phenols	0.01%
Other	2.24%

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
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Client



Source

Lavender (*Lavandula angustifolia*)

FR-59043

Total Percentage		99.28%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.75	0.01%	Toluene	Simple Phenolic
2	4.47	0.01%	Hexanal	Aliphatic Aldehyde
3	4.79	0.01%	Butyl acetate	Aliphatic Ester
4	5.10	0.13%	Methyl hexyl ether	Aliphatic Ether
5	5.85	0.01%	(E)-2-Hexenal	Aliphatic Aldehyde
6	5.91	0.16%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
7	6.34	0.24%	1-Hexanol	Aliphatic Alcohol
8	8.14	0.02%	Tricyclene	Monoterpene
9	8.57	0.08%	alpha-Pinene	Monoterpene
10	9.19	0.22%	Camphene	Monoterpene
11	9.38	0.01%	Isobutyl butyrate	Aliphatic Ester
12	10.33	0.07%	beta-Pinene	Monoterpene
13	10.51	0.49%	1-Octen-3-ol	Aliphatic Alcohol
14	10.71	1.77%	Octan-3-one	Aliphatic Ketone
15	10.91	0.65%	Myrcene	Monoterpene
16	11.23	0.49%	3-Octanol	Aliphatic Alcohol
17	11.58	0.04%	(Z)-3-Hexenyl acetate	Aliphatic Ester
18	11.68	0.09%	delta-3-Carene	Monoterpene
19	11.91	0.56%	Hexyl acetate	Aliphatic Ester
20	12.17	0.08%	o-Cymene	Monoterpene
21	12.38	0.13%	para-Cymene	Monoterpene
22	12.59	0.14%	Limonene	Monoterpene
23	12.70	0.02%	1,8-Cineole	Monoterpene Ether
24	12.96	0.66%	(Z)-beta-Ocimene	Monoterpene
25	13.43	0.53%	(E)-beta-Ocimene	Monoterpene
26	14.47	0.65%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
27	14.59	0.03%	1-Octanol	Aliphatic Alcohol
28	15.00	0.02%	Camphenilone	Monoterpene Ketone
29	15.21	0.53%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
30	16.02	41.52%	Linalool	Monoterpenol
31	16.08	0.09%	Hotrienol	Monoterpenol
32	16.17	0.05%	Hexyl propanoate	Monoterpene Ester
33	16.30	1.00%	1-Octenyl-3 acetate	Monoterpene Ester
34	16.85	0.14%	Octan-3-yl acetate	Aliphatic Ester
35	17.19	0.11%	Alloocimene	Monoterpene

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Lavender (*Lavandula angustifolia*)

FR-59043

Number	RT	Area %	Compound Name	Chemical Family
36	17.652	0.04%	trans-Pinocarveol	Monoterpene
37	17.89	0.49%	Camphor	Monoterpene Ketone
38	18.12	0.10%	Hexyl isobutyrate	Monoterpene Ester
39	18.26	0.02%	Nerol oxide	Monoterpene Ether
40	18.70	0.01%	para-Mentha-1,5-dien-8-ol	Monoterpenol
41	18.83	0.08%	Lavandulol	Monoterpenol
42	19.09	1.97%	Borneol	Monoterpenol
43	19.29	0.09%	cis-Linalool oxide (6) (pyranoid)	Monoterpenol
44	19.55	0.29%	para-Cymen-8-ol	Monoterpenol
45	19.97	0.03%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
46	20.18	1.86%	alpha-Terpineol	Monoterpenol
47	21.04	0.01%	Octyl acetate	Aliphatic Ester
48	21.61	0.18%	Nerol	Monoterpenol
49	21.69	0.05%	Bornyl formate	Monoterpene Ester
50	22.17	0.07%	Hexyl 2-methyl butanoate	Monoterpene Ester
51	22.90	35.88%	Linalyl acetate	Monoterpene Ester
52	24.25	0.08%	Bornyl acetate	Monoterpene Ester
53	24.33	0.32%	Lavandulyl acetate	Monoterpene Ester
54	25.18	0.01%	Perilla aldehyde	Monoterpene Aldehyde
55	26.32	0.06%	Hexyl tiglate	Monoterpene Ester
56	27.58	0.45%	Neryl acetate	Monoterpene Ester
57	28.43	0.88%	Geranyl acetate	Monoterpene Ester
58	28.55	0.01%	beta-Bourbonene	Sesquiterpene
59	28.78	0.15%	Hexyl hexanoate	Aliphatic Ester
60	29.44	0.02%	Sesquithujene	Sesquiterpene
61	29.85	0.05%	cis-alpha-Bergamotene	Sesquiterpene
62	30.03	2.80%	cis-Caryophyllene	Sesquiterpene
63	30.48	0.11%	Coumarin	Coumarin
64	30.68	0.15%	trans-alpha-Bergamotene	Sesquiterpene
65	31.11	0.04%	beta-Caryophyllene	Sesquiterpene
66	31.22	0.03%	epi-beta-Santalene	Sesquiterpene
67	31.55	1.46%	(E)-beta-Farnesene	Sesquiterpene
68	32.56	0.08%	gamma-Muurolene	Sesquiterpene
69	32.73	0.06%	Sesquisabinene	
70	33.73	0.01%	beta-Bisabolene	Sesquiterpene
71	33.86	0.03%	gamma-Cadinene	Sesquiterpene

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