

Lavender Mailette Lavandula angustifolia

Batch No. #FR-59306
 France

Monoterpenes	3.38%
(Z)- β ocimene	0.83
(E) β ocimene	0.67
myrcene	0.62
camphene	0.31
para cymene	0.17
alloocimene	0.14
limonene	0.14
α pinene	0.11
δ 3-carene	0.11
o-cymene	0.09
β pinene	0.06
terpinolene	0.04
tricyclene	0.03
(Z) epoxy-ocimene	0.02
sabinene	0.02
α thujene	0.01
γ terpinene	0.01

Esters	40.1%
linalyl acetate	36.19
geranyl acetate	0.9
1-octenyl-3 acetate	0.77
hexyl acetate	0.53
neryl acetate	0.46
lavandulyl acetate	0.41
hexyl hexanoate	0.14
butyl-butyrate	0.13
octan-3-yl acetate	0.10
bornyl acetate	0.09
hexyl isobutyrate	0.08
iso-dihydro carveol acetate	0.07
lavandulol	0.07
hexyl 2-methyl butanoate	0.04
hexyl tiglate	0.04
heptyl acetate	0.03
(ZZ) octenol acetate	0.02
butyl acetate	0.02
octyl acetate	0.01

Sesquiterpenes	5.2%
β caryophyllene	2.98
(E) β farnesene	1.58
(E) α bergamotene	0.14
germacrene D	0.11
α humulene	0.08
(Z) α bergamotene	0.06
γ cadinene	0.06
zingiberene	0.05
β bisabolene	0.04
epi β santalene	0.03
β cedrene	0.02
α cubebene	0.02
7-epi-sesquithujene	0.02
β sesquiphellandrene	0.01

Monoterpenols	44.39%
linalool	41.16
borneol	1.91
cis-linalool oxide (5)(furanoid)	0.45
trans-linalool oxide (5)(furanoid)	0.35
nerol	0.25
para-cymen-8-ol	0.14
terpinen-4-ol	0.10
para-mentha-1,5-dien-8-ol	0.02
trans-pinocarveol	0.01

Ethers	0.92%
caryophyllene oxide	0.74
methyl hexyl ether	0.11
1,8 cineole	0.04
nerol oxide	0.02
humulene epoxide II	0.01

Sesquiterpenols	0.14%
τ cadinol	0.05
(Z) sesquisabinene hydrate	0.05
(E) sesquisabinene hydrate	0.04

Aldehydes	0%
β cyclocitral	0.02

Ketones	2.29%
octan-3-one	1.6
camphor	0.63
camphenilone	0.02
verbeneone	0.02
carvone	0.01
nopinone	0.01

Other	2.47%
Unknown	1.59
1 octen-3-ol	0.44
3-octanol	0.3
1 hexanol	0.10
(Z) hex-3-en-1-ol	0.04
1-octanol	0.03

Phenols	
carvacrol	0.02

Client



Source



Lavender, Mailette (*Lavandula angustifolia*)
FR-59306

Sample

Lavender, Mailette (*Lavandula angustifolia*)
Batch #:..... FR-59306
Type:..... Essential Oil
CAS Number:... 8000-28-0
Nature's Gift

Client



Website

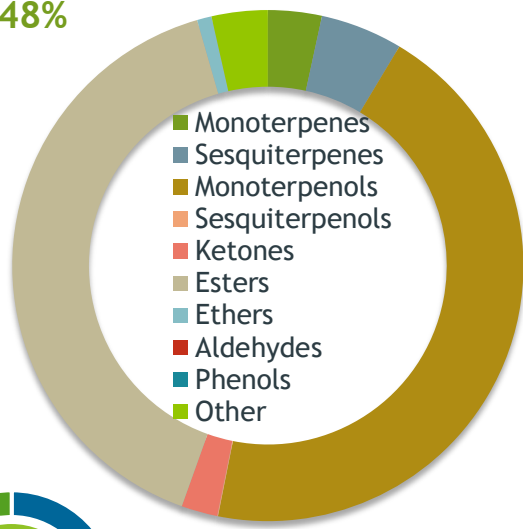


Primary

41.16% | Linalool
36.19% | Linalyl acetate
2.98% | beta-Caryophyllene

Monoterpenols

44.48%



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 Lavender, Mailette (*Lavandula angustifolia*)

Internal Number: | EVS-5471



Essential Validation Services

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

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

Alan Christen

Monoterpenes	3	3.40%
Sesquiterpenes	5.2	5.20%
Monoterpenols	44.48%	44.48%
Sesquiterpenols		0.05%
Ketones		2.29%
Esters	40.03%	40.03%
Ethers		0.92%
Aldehydes		0.00%
Phenols		0.00%
Other	3	3.54%

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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
- This report is valid for 1 year from the analyzed date

Client



Source

Lavender, Mailette (*Lavandula angustifolia*)

FR-59306

Total Percentage		97.37%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.37	0.02%	Butyl acetate	Aliphatic Ester
2	4.65	0.11%	Methyl hexyl ether	Aliphatic Ether
3	5.45	0.04%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
4	5.85	0.10%	1-Hexanol	Aliphatic Alcohol
5	7.51	0.03%	Tricyclene	Monoterpene
6	7.68	0.01%	alpha-Thujene	Monoterpene
7	7.92	0.11%	alpha-Pinene	Monoterpene
8	8.52	0.31%	Camphene	Monoterpene
9	9.46	0.02%	Sabinene	Monoterpene
10	9.61	0.06%	beta-Pinene	Monoterpene
11	9.86	0.44%	1-Octen-3-ol	Aliphatic Alcohol
12	10.04	1.60%	Octan-3-one	Aliphatic Ketone
13	10.20	0.62%	Myrcene	Monoterpene
14	10.49	0.13%	Butyl butyrate	Aliphatic Ester
15	10.55	0.30%	3-Octanol	Aliphatic Alcohol
16	10.94	0.11%	delta-3-Carene	Monoterpene
17	11.20	0.53%	Hexyl acetate	Aliphatic Ester
18	11.43	0.09%	o-Cymene	Monoterpene
19	11.63	0.17%	para-Cymene	Monoterpene
20	11.83	0.14%	Limonene	Monoterpene
21	11.93	0.04%	1,8-Cineole	Monoterpene Ether
22	12.22	0.83%	(Z)-beta-Ocimene	Monoterpene
23	12.67	0.67%	(E)-beta-Ocimene	Monoterpene
24	13.14	0.01%	gamma-Terpinene	Monoterpene
25	13.69	0.45%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
26	13.90	0.03%	1-Octanol	Aliphatic Alcohol
27	14.20	0.02%	Camphenilone	Monoterpene Ketone
28	14.35	0.04%	Terpinolene	Monoterpene
29	14.43	0.35%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
30	15.35	41.16%	Linalool	Monoterpenol
31	15.55	0.77%	1-Octenyl-3 acetate	Monoterpene Ester
32	15.70	0.03%	Heptyl acetate	Monoterpene Ester
33	16.08	0.10%	Octan-3-yl acetate	Aliphatic Ester
34	16.39	0.14%	Alloocimene	Monoterpene
35	16.71	0.01%	Nopinone	Monoterpene Ketone

Client



Source

Lavender, Malette (*Lavandula angustifolia*)

FR-59306

Number	RT	Area %	Compound Name	Chemical Family
36	16.841	0.01%	trans-Pinocarveol	Monoterpene Ketone
37	16.92	0.02%	(Z)-Epoxy-ocimene	Monoterpene
38	17.08	0.63%	Camphor	Monoterpene Ketone
39	17.32	0.08%	Hexyl isobutyrate	Monoterpene Ester
40	17.45	0.02%	Nerol oxide	Monoterpene Ether
41	17.90	0.02%	para-Mentha-1,5-dien-8-ol	Monoterpenol
42	18.04	0.07%	Lavandulol	Monoterpenol
43	18.29	1.91%	Borneol	Monoterpenol
44	18.69	0.10%	Terpinen-4-ol	Monoterpenol
45	18.78	0.14%	para-Cymen-8-ol	Monoterpenol
46	19.37	1.59%	UK	
47	19.69	0.02%	15.67 Octenol acetate<2Z->	0.00
48	20.15	0.02%	beta-Cyclocitral	Monoterpene
49	20.25	0.01%	Octyl acetate	Aliphatic Ester
50	20.50	0.02%	Verbenone	Monoterpene Ketone
51	20.82	0.25%	Nerol	Monoterpenol
52	21.34	0.04%	Hexyl 2-methyl butanoate	Monoterpene Ester
53	21.57	0.01%	Carvone	Monoterpene Ketone
54	22.15	36.19%	Linalyl acetate	Monoterpene Ester
55	23.39	0.09%	Bornyl acetate	Monoterpene Ester
56	23.50	0.41%	Lavandulyl acetate	Monoterpene Ester
57	24.19	0.02%	Carvacrol	Monoterpenol
58	25.47	0.04%	Hexyl tiglate	Monoterpene Ester
59	26.09	0.07%	21.36 Dihydro carveol acetate<iso->	0.00
60	26.74	0.46%	Neryl acetate	Monoterpene Ester
61	27.30	0.02%	alpha-Cubebene	Sesquiterpene
62	27.59	0.90%	Geranyl acetate	Monoterpene Ester
63	27.91	0.14%	Hexyl hexanoate	Aliphatic Ester
64	28.55	0.02%	7-epi-Sesquithujene	Sesquiterpene
65	28.94	0.06%	cis-alpha-Bergamotene	Sesquiterpene
66	29.11	2.98%	beta-Caryophyllene	Sesquiterpene
67	29.77	0.14%	trans-alpha-Bergamotene	Sesquiterpene
68	30.08	0.02%	beta-Cedrene	Sesquiterpene
69	30.31	0.03%	epi-beta-Santalene	Sesquiterpene
70	30.57	0.08%	alpha-Humulene	Sesquiterpene
71	30.68	1.58%	(E)-beta-Farnesene	Sesquiterpene

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Client



Source



Lavender, Malette (Lavandula angustifolia)

FR-59306

72	31.63	0.11%	Germacrene D	Sesquiterpene
73	31.81	0.05%	Zingiberene	Sesquiterpene
74	32.83	0.04%	beta-Bisabolene	Sesquiterpene
75	32.95	0.06%	gamma-Cadinene	Sesquiterpene
76	33.43	0.01%	beta-Sesquiphellandrene	Sesquiterpene
77	34.37	0.05%	cis-Sesquisabinene hydrate	Monoterpene Ester
78	35.54	0.74%	Caryophyllene oxide	Sesquiterpene Ether
79	35.78	0.04%	trans-Sesquisabinene hydrate	Monoterpene Ester
80	36.60	0.01%	Humulene epoxide II	Sesquiterpene Ether
81	37.89	0.05%	T-Cadinol	Sesquiterpenol

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