



Lavender Population Lavandula angustifolia

Batch No. #FR-59257
France

Monoterpenes 11.81%

limonene	3.21
2-carene	3.18
(Z)- β ocimene	2.98
myrcene	0.72
alloocimene	0.56
camphene	0.20
α pinene	0.19
para cymene	0.17
β pinene	0.10
γ terpinene	0.10
α thujene	0.09
δ 3-carene	0.09
α phellandrene	0.05
isoterpinolene	0.05
sabinene	0.04
(Z) epoxy-ocimene	0.03
tricyclene	0.02
α terpinene	0.02
para cymenene	0.01

Esters 42.89%

linalyl acetate	36.02
lavandulyl acetate	3.49
1-octenyl-3 acetate	1.28
geranyl acetate	0.70
neryl acetate	0.38
hexyl acetate	0.36
isobornyl acetate	0.16
octan-3-yl acetate	0.10
butyl-butyrate	0.09
hexyl isobutyrate	0.07
hexyl propanoate	0.04
hexyl tiglate	0.04
nejo-isopulegyl acetate	0.04
hexyl 2-methyl butanoate	0.03
heptyl acetate	0.03
butyl acetate	0.02
octyl acetate	0.02
(Z) 3-hexenyl butyrate	0.01
(Z) sesquisabinene hydrate	0.01

Sesquiterpenes 8.66%

β caryophyllene	5.34
(Z) β farnesene	2.06
germacrene D	0.49
(E) α bergamotene	0.20
α humulene	0.13
bicylogermacrene	0.12
(E) β farnesene	0.08
(Z) α bergamotene	0.07
β bisabolene	0.04
7-epi-sesquithujene	0.03
epi β santalene	0.03
sibirene	0.02
α cubebene	0.02
β sesquiphellandrene	0.02
α zingiberene	0.01

Monoterpenols 32.02%

linalool	25.63
terpinene-4-ol	2.69
borneol	1.22
α terpineol	0.94
lavandulol	0.63
cis-linalol oxide (5)(furanoid)	0.30
trans-linalool oxide (5)(furanoid)	0.19
nerol	0.16
hotrienol	0.11
para-cymen-8-ol	0.10
trans-carveol	0.02
α pinocarveol	0.02
para-mentha-1,5-dien-8-ol	0.01

Ethers 1.37%

1,8 cineole	0.74
caryophyllene oxide	0.51
methyl hexyl ether	0.07
nerol oxide	0.02
cis-linalol oxide (6)(pyranoid)	0.03

Sesquiterpenols 0.02%

τ muurolol	0.01
1,10-di-epi-cubanol	0.01

Ketones 1.26%

octan-3-one	0.66
camphor	0.39
cryptone	0.12
carvone	0.02
nopinone	0.02
2 hexanone	0.01
camphenilone	0.02
isopinocampone	0.02

Other 0.45%

1 octen-3-ol	0.26
3-octanol	0.11
1 hexanol	0.04
(E) hex-3-en-1-ol	0.02
1-octanol	0.02

Aldehydes 0.05%

cuminal	0.05
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Client



Source



Lavender Population (*Lavandula angustifolia*)
FR-59257

Sample

Lavender Population (*Lavandula*)
Batch #:..... FR-59257
Type:..... Essential Oil
CAS Number:... 8000-28-0
Nature's Gift

Client



Website

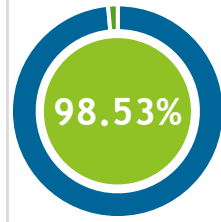
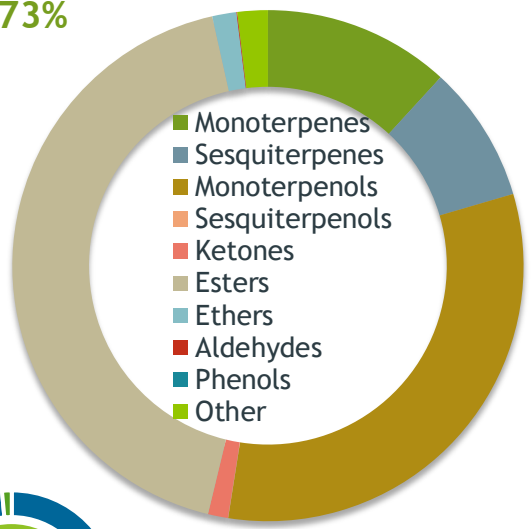


Primary

36.02% | Linalyl acetate
25.63% | Linalool
5.34% | beta-Caryophyllene

Esters

42.73%



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 Population (*Lavandula angustifolia*)

Internal Number: | EVS-5010



Essential Validation Services

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

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

Alan Christen

Monoterpenes	11.81%	11.81%
Sesquiterpenes	8.66%	8.66%
Monoterpenols	32.02%	32.02%
Sesquiterpenols	0.02%	0.02%
Ketones	1.26%	1.26%
Esters	42.73%	42.73%
Ethers	1.53%	1.53%
Aldehydes	0.05%	0.05%
Phenols	0.00%	0.00%
Other	1.92%	1.92%

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- 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 Population (*Lavandula angustifolia*)

FR-59257

Total Percentage		98.53%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.89	0.01%	2-Hexanone	Aliphatic Ketone
2	4.42	0.02%	Butyl acetate	Aliphatic Ester
3	4.70	0.07%	Methyl hexyl ether	Aliphatic Ether
4	5.51	0.02%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
5	5.92	0.04%	1-Hexanol	Aliphatic Alcohol
6	7.59	0.02%	Tricyclene	Monoterpene
7	7.76	0.09%	alpha-Thujene	Monoterpene
8	8.00	0.19%	alpha-Pinene	Monoterpene
9	8.60	0.20%	Camphene	Monoterpene
10	9.54	0.04%	Sabinene	Monoterpene
11	9.70	0.10%	beta-Pinene	Monoterpene
12	9.92	0.26%	1-Octen-3-ol	Aliphatic Alcohol
13	10.11	0.66%	Octan-3-one	Aliphatic Ketone
14	10.28	0.72%	Myrcene	Monoterpene
15	10.58	0.09%	Butyl butyrate	Aliphatic Ester
16	10.63	0.11%	3-Octanol	Aliphatic Alcohol
17	10.92	0.05%	alpha-Phellandrene	Monoterpene
18	11.02	0.09%	delta-3-Carene	Monoterpene
19	11.29	0.36%	Hexyl acetate	Aliphatic Ester
20	11.72	0.17%	para-Cymene	Monoterpene
21	11.81	0.02%	alpha-Terpinene	Monoterpene
22	11.93	3.21%	Limonene	Monoterpene
23	12.02	0.74%	1,8-Cineole	Monoterpene Ether
24	12.31	2.98%	(Z)-beta-Ocimene	Monoterpene
25	12.77	3.18%	(E)-beta-Ocimene	Monoterpene
26	13.23	0.10%	gamma-Terpinene	Monoterpene
27	13.78	0.30%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
28	13.93	0.02%	1-Octanol	Aliphatic Alcohol
29	14.30	0.02%	Camphenilone	Monoterpene Ketone
30	14.45	0.05%	Isoterpinolene	Monoterpene
31	14.52	0.19%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
32	14.65	0.01%	para-Cymenene	Monoterpene
33	15.29	25.63%	Linalool	Monoterpenol
34	15.36	0.11%	Hotrienol	Monoterpenol
35	15.47	0.04%	Hexyl propanoate	Monoterpene Ester

Client



Source



Lavender Population (*Lavandula angustifolia*)
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Number	RT	Area %	Compound Name	Chemical Family
36	15.605	1.28%	1-Octenyl-3 acetate	Monoterpene Ester
37	15.77	0.03%	Heptyl acetate	Monoterpene Ester
38	16.15	0.10%	Octan-3-yl acetate	Aliphatic Ester
39	16.47	0.56%	Alloocimene	Monoterpene
40	16.78	0.02%	Nopinone	Monoterpene Ketone
41	16.91	0.02%	alpha-Pinocarveol	Monoterpenol
42	17.00	0.03%	(Z)-Epoxy-ocimene	Monoterpene
43	17.15	0.39%	Camphor	Monoterpene Ketone
44	17.41	0.07%	Hexyl isobutyrate	Monoterpene Ester
45	17.53	0.02%	Nerol oxide	Monoterpene Ether
46	17.97	0.01%	para-Mentha-1,5-dien-8-ol	Monoterpenol
47	18.11	0.63%	Lavandulol	Monoterpenol
48	18.35	1.22%	Borneol	Monoterpenol
49	18.50	0.02%	Isopinocampnone	Monoterpene Ketone
50	18.58	0.03%	trans-Linalool oxide (6) (pyranoid)	Monoterpene Ether
51	18.78	2.69%	Terpinen-4-ol	Monoterpenol
52	19.01	0.12%	Cryptone	Monoterpene Ketone
53	19.11	0.10%	para-Cymen-8-ol	Monoterpenol
54	19.28	0.01%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
55	19.45	0.94%	alpha-Terpineol	Monoterpenol
56	20.31	0.02%	Octyl acetate	Aliphatic Ester
57	20.58	0.02%	trans-Carveol	Monoterpenol
58	20.89	0.16%	Nerol	Monoterpenol
59	21.43	0.03%	Hexyl 2-methyl butanoate	Monoterpene Ester
60	21.55	0.05%	Cuminal	Monoterpene Aldehyde
61	21.65	0.02%	Carvone	Monoterpene Ketone
62	22.16	36.02%	Linalyl acetate	Monoterpene Ester
63	23.08	0.04%	neo-Isopulegyl acetate	Monoterpene Ester
64	23.48	0.16%	Isobornyl acetate	Monoterpene Ether
65	23.60	3.49%	Lavandulyl acetate	Monoterpene Ester
66	25.57	0.04%	Hexyl tiglate	Monoterpene Ester
67	26.83	0.38%	Neryl acetate	Monoterpene Ester
68	27.40	0.02%	alpha-Cubebene	Sesquiterpene
69	27.67	0.70%	Geranyl acetate	Monoterpene Ester
70	28.65	0.03%	7-epi-Sesquithujene	Sesquiterpene
71	29.05	0.07%	cis-alpha-Bergamotene	Sesquiterpene

