



## English Lavender Lavandula angustifolia

Batch No. #UK-58799  
 Ethically farmed, United Kingdom

### Monoterpenes 6.15%

(Z) $\beta$ -ocimene	2.21
myrcene	1.13
(E) $\beta$ -ocimene	0.96
$\alpha$ phellandrene	0.68
camphene	0.32
limonene	0.19
$\alpha$ pinene	0.19
$\beta$ pinene	0.16
allo-ocimene	0.12
para cymene	0.11
$\gamma$ terpinene	0.03
$\alpha$ thujene	0.03
sabinene	0.02

### Esters 35.62%

linalyl acetate	30.94
octan-3-yl acetate	1.58
geranyl acetate	1.5
neryl acetate	0.77
lavandulyl acetate	0.35
Hexyl acetate	0.27
1-octene-3-yl acetate	0.14
hexyl butyrate	0.07

### Sesquiterpenes 6.67%

$\beta$ caryophyllene	2.01
$\alpha$ santalene	0.96
(Z) $\beta$ farnesene	0.87
trans $\alpha$ bergamotene	0.2
$\beta$ santalene	0.18
(E) $\beta$ farnesene	0.07

### Aldehydes 0%

(E) 2-hexenal	0.13
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### Ketones 2.35%

octan-3-one	1.98
camphor	0.37

### Monoterpenols 47.84%

linalol	41.21
$\alpha$ terpineol	2.78
borneol + lavandulol	2.34
1-octene-3-ol	0.44
nerol	0.4
3-octanol	0.31
terpinene-4-ol	0.17
p-cymene-8-ol	0.13
1-hexenol	0.06

### Ethers 2.39%

trans-linaloloxide	0.82
linalool cis-oxide	0.76
1,8 cineole (also known as an Oxide)	0.51
caryophyllene oxide	0.29
methyl hexyl ether	0.01

### Other 0%

toluene	0.03
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Raw Material: English Lavender  
 INCI Name: Lavandula angustifolia  
 Production Method: Steam Dist., flowering tops  
 Date of analysis: 6/26/2019

Client



Source



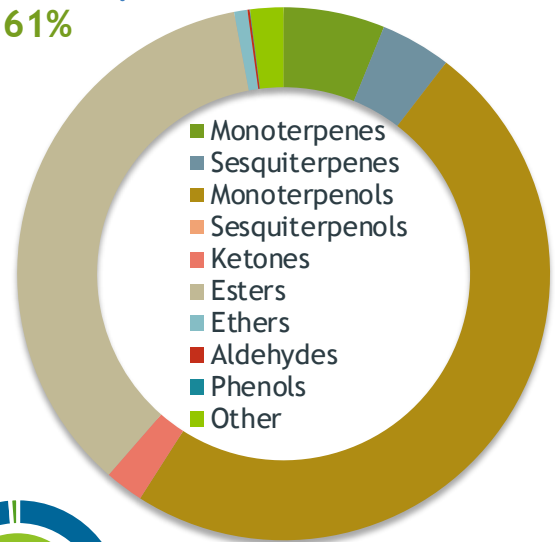
Lavender (English) (*Lavandula angustifolia*)  
UK-58799

Sample

Lavender (English) (*Lavandula angustifolia*)  
Batch #:..... UK-58799  
Type:..... Essential Oil  
CAS Number:... 8000-28-0  
Nature's Gift

Monoterpenols

48.61%



Percentage Identified

Client



Website



Primary

**41.21%** | Linalool  
**30.94%** | Linalyl acetate  
**2.78%** | alpha-Terpineol

Result



Conclusion

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

Internal Number: | EVS-3051



Essential Validation Services

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Gainesville, FL 32601

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<https://essentialvalidationservices.com/>  
adam@essentialvalidationservices.com

Monoterpenes	6.15%
Sesquiterpenes	4.29%
Monoterpenols	48.61%
Sesquiterpenols	0.00%
Ketones	2.35%
Esters	35.62%
Ethers	0.81%
Aldehydes	0.13%
Phenols	0.03%
Other	2.01%

Client



Source



Lavender (English) (*Lavandula angustifolia*)  
UK-58799

Total Percentage		98.80%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	6.22	0.03%	Toluene	765.00	Simple Phenolic
2	8.27	0.01%	Methyl hexyl ether	822.00	Aliphatic Ether
3	9.33	0.13%	(E)-2-Hexenal	846.00	Aliphatic Aldehyde
4	9.86	0.06%	1-Hexanol	863.00	Aliphatic Alcohol
5	12.13	0.03%	alpha-Thujene	927.80	Monoterpene
6	12.39	0.19%	alpha-Pinene	936.10	Monoterpene
7	12.99	0.32%	Camphene	950.30	Monoterpene
8	14.05	0.02%	Sabinene	973.00	Monoterpene
9	14.16	0.16%	beta-Pinene	974.00	Monoterpene
10	14.29	0.44%	1-Octen-3-ol	980.00	Aliphatic Alcohol
11	14.56	1.98%	Octan-3-one	981.00	Aliphatic Ketone
12	14.78	1.13%	Myrcene	989.20	Monoterpene
13	14.95	0.31%	3-Octanol	992.00	Aliphatic Alcohol
14	15.57	0.68%	alpha-Phellandrene	1002.00	Monoterpene
15	15.68	0.27%	Hexyl acetate	1009.00	Aliphatic Ester
16	16.04	0.11%	para-Cymene	1024.30	Monoterpene
17	16.15	0.19%	Limonene	1029.50	Monoterpene
18	16.33	0.51%	1,8-Cineole	1031.80	Monoterpene Ether
19	16.71	2.21%	(Z)-beta-Ocimene	1037.80	Monoterpene
20	17.14	0.96%	(E)-beta-Ocimene	1047.70	Monoterpene
21	17.59	0.03%	gamma-Terpinene	1054.00	Monoterpene
22	18.13	0.76%	cis-Linalool oxide (5) (furanoid)	1075.10	Monoterpenol
23	18.77	0.82%	trans-Linalool oxide (5) (furanoid)	1092.20	Monoterpenol
24	19.38	41.21%	Linalool	1099.00	Monoterpenol
25	19.47	0.14%	1-Octenyl-3 acetate	1107.00	Monoterpene Ester
26	19.69	1.58%	Octan-3-yl acetate	1124.00	Aliphatic Ester
27	20.39	0.12%	Alloocimene	1129.90	Monoterpene
28	21.02	0.37%	Camphor	1147.55	Monoterpene Ketone
29	21.86	2.34%	Borneol	1168.71	Monoterpenol
30	21.86	Co-Eluting	Lavandulol	1161.50	Monoterpenol
31	22.29	0.17%	Terpinen-4-ol	1180.57	Monoterpenol
32	22.42	0.13%	para-Cymen-8-ol	1185.25	Monoterpenol
33	22.55	0.07%	Hexyl butyrate	1186.80	Aliphatic Ester
34	22.77	2.78%	alpha-Terpineol	1191.71	Monoterpenol
35	24.11	0.40%	Nerol	1230.67	Monoterpenol

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Client



Source



Lavender (English) (Lavandula angustifolia)  
UK-58799

Number	RT	Area %	Compound Name	RI	Chemical Family
36	25.14	30.94%	Linalyl acetate	1263.8	Monoterpenol
37	26.26	0.35%	Lavandulyl acetate	1285.00	Monoterpene Ester
38	28.74	0.77%	Neryl acetate	1362.90	Monoterpene Ester
39	29.37	1.50%	Geranyl acetate	1379.20	Monoterpene Ester
40	30.75	0.96%	alpha-Santalene	1426.50	Sesquiterpene
41	30.82	2.01%	beta-Caryophyllene	1427.14	Sesquiterpene
42	31.22	0.20%	trans-alpha-Bergamotene	1435.00	Sesquiterpene
43	31.76	0.87%	(Z)-beta-Farnesene	1453.40	Sesquiterpene
44	31.88	0.07%	(E)-beta-Farnesene	1456.29	Sesquiterpene
45	32.74	0.18%	beta-Santalene	1464.00	Sesquiterpene
46	35.83	0.29%	Caryophyllene oxide	1594.86	Sesquiterpene Ether

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