

Lavender Avicé Hill
 Lavandula angustifolia

Batch No. #US-59303
 United States

Monoterpenes 10.79%

| | |
|-----------------------|------|
| (Z)- β -ocimene | 4.27 |
| (E)- β -ocimene | 3.84 |
| myrcene | 0.9 |
| allo-ocimene | 0.81 |
| limonene | 0.23 |
| terpinolene | 0.18 |
| para cymene | 0.10 |
| α pinene | 0.08 |
| o-cymene | 0.06 |
| β pinene | 0.06 |
| γ terpinene | 0.06 |
| camphene | 0.05 |
| δ 3-carene | 0.05 |
| α terpinene | 0.03 |
| α phellandrene | 0.03 |
| sabinene | 0.02 |
| α thujene | 0.02 |

Esters 40.34%

| | |
|----------------------------|-------|
| linalyl acetate | 25.10 |
| lavandulyl acetate | 9.38 |
| 1-octenyl-3 acetate | 1.93 |
| geranyl acetate | 1.58 |
| neryl acetate | 0.87 |
| hexyl acetate | 0.72 |
| butyl-butyrate | 0.18 |
| octan-3-yl acetate | 0.16 |
| isopulegyl acetate | 0.07 |
| hexyl tiglate | 0.06 |
| hexyl isobutyrate | 0.05 |
| hexyl propanoate | 0.05 |
| butyl acetate | 0.04 |
| heptyl acetate | 0.03 |
| octyl acetate | 0.03 |
| borynl acetate | 0.02 |
| hexyl 2-methyl butanoate | 0.02 |
| α terpinyl acetate | 0.02 |
| (Z) sesquisabinene hydrate | 0.02 |
| isobutyl butyrate | 0.01 |

Sesquiterpenes 10.9%

| | |
|---------------------------|------|
| β caryophyllene | 5.89 |
| (E) β farnesene | 3.32 |
| germacrene D | 0.44 |
| γ cadinene | 0.44 |
| α humulene | 0.18 |
| (E) α bergamotene | 0.13 |
| 7-epi-sesquithujene | 0.11 |
| β copaene | 0.07 |
| (Z) α bergamotene | 0.06 |
| α zingiberene | 0.06 |
| (Z) muurola-4(14),5-diene | 0.05 |
| β bisabolene | 0.03 |
| epi β santalene | 0.02 |
| β cedrene | 0.02 |
| Germacrene A | 0.02 |
| (E,E) α farnesene | 0.02 |
| (E,Z) farnesol | 0.02 |
| bicyclgermacrene | 0.01 |
| cadalene | 0.01 |

Monoterpenols 33.96%

| | |
|----------------------------------|------|
| linalool | 28.3 |
| α terpineol | 2.38 |
| lavandulol | 1.3 |
| terpinene-4-ol | 0.93 |
| borneol | 0.48 |
| nerol | 0.40 |
| hottrienol | 0.07 |
| para-cymen-8-ol | 0.05 |
| cis-linalol oxide (5) (furanoid) | 0.04 |
| para-mentha-1,5-dien-8-ol | 0.01 |

Ethers 1.06%

| | |
|---------------------|------|
| 1,8 cineole | 0.59 |
| caryophyllene oxide | 0.4 |
| methyl hexyl ether | 0.06 |
| nerol oxide | 0.01 |

Sesquiterpenols 0.87%

| | |
|---------------------|------|
| τ cadinol | 0.75 |
| 1,10-di-epi-cubenol | 0.08 |
| (Z) nerolidol | 0.02 |
| α cadinol | 0.02 |

Aldehydes 0.04%

| | |
|----------------------|------|
| isobicyclgermacrenal | 0.03 |
| cuminal | 0.01 |

Ketones 0.72%

| | |
|-------------|------|
| octan-3-one | 0.6 |
| camphor | 0.12 |

Other 0.36%

| | |
|---------------|------|
| 1 octen-3-ol | 0.23 |
| 3-octanol | 0.09 |
| 1 hexanol | 0.02 |
| 1-tetradecene | 0.01 |
| coumarin | 0.01 |

Client



Source



Lavender, Avice Hill (*Lavandula angustifolia*)
US-59303

Sample

Lavender, Avice Hill (*Lavandula angustifolia*)
Batch #:..... US-59303
Type:..... Essential Oil
CAS Number:... 8000-28-0
Nature's Gift

Client



Website

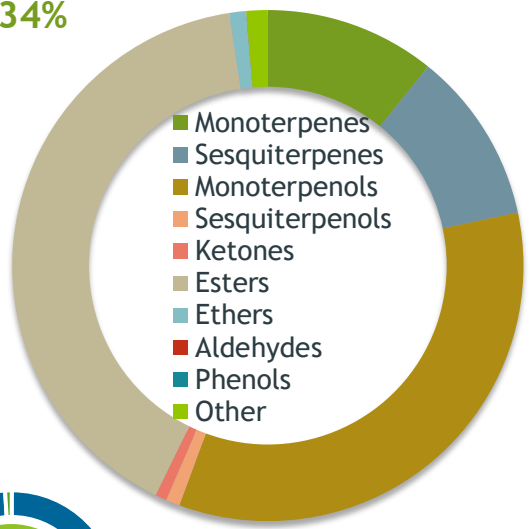


Primary

28.30% | Linalool
25.10% | Linalyl acetate
9.38% | Lavandulyl acetate

Esters

40.34%



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, Avice Hill (*Lavandula angustifolia*)

Internal Number: | EVS-5468



Essential Validation Services

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

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

Alan Chastain

| | | |
|-----------------|--------|--------|
| Monoterpenes | 10.79% | 10.79% |
| Sesquiterpenes | 10.88% | 10.88% |
| Monoterpenols | 33.96% | 33.96% |
| Sesquiterpenols | | 0.89% |
| Ketones | | 0.72% |
| Esters | 40.34% | 40.34% |
| Ethers | | 1.06% |
| Aldehydes | | 0.01% |
| Phenols | | 0.00% |
| Other | | 1.35% |

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

Client



Source

Lavender, Avice Hill (*Lavandula angustifolia*)

US-59303

| Total Percentage | | 99.01% | | |
|------------------|-------|--------|-----------------------------------|--------------------|
| Number | RT | Area % | Compound Name | Chemical Family |
| 1 | 4.37 | 0.04% | Butyl acetate | Aliphatic Ester |
| 2 | 4.65 | 0.06% | Methyl hexyl ether | Aliphatic Ether |
| 3 | 5.86 | 0.02% | 1-Hexanol | Aliphatic Alcohol |
| 4 | 7.68 | 0.02% | alpha-Thujene | Monoterpene |
| 5 | 7.93 | 0.08% | alpha-Pinene | Monoterpene |
| 6 | 8.52 | 0.05% | Camphene | Monoterpene |
| 7 | 8.74 | 0.01% | Isobutyl butyrate | Aliphatic Ester |
| 8 | 9.46 | 0.02% | Sabinene | Monoterpene |
| 9 | 9.61 | 0.06% | beta-Pinene | Monoterpene |
| 10 | 9.85 | 0.23% | 1-Octen-3-ol | Aliphatic Alcohol |
| 11 | 10.03 | 0.60% | Octan-3-one | Aliphatic Ketone |
| 12 | 10.20 | 0.90% | Myrcene | Monoterpene |
| 13 | 10.49 | 0.18% | Butyl butyrate | Aliphatic Ester |
| 14 | 10.56 | 0.09% | 3-Octanol | Aliphatic Alcohol |
| 15 | 10.84 | 0.03% | alpha-Phellandrene | Monoterpene |
| 16 | 10.94 | 0.05% | delta-3-Carene | Monoterpene |
| 17 | 11.20 | 0.72% | Hexyl acetate | Aliphatic Ester |
| 18 | 11.30 | 0.03% | alpha-Terpinene | Monoterpene |
| 19 | 11.43 | 0.06% | o-Cymene | Monoterpene |
| 20 | 11.64 | 0.10% | para-Cymene | Monoterpene |
| 21 | 11.84 | 0.23% | Limonene | Monoterpene |
| 22 | 11.93 | 0.59% | 1,8-Cineole | Monoterpene Ether |
| 23 | 12.25 | 4.27% | (Z)-beta-Ocimene | Monoterpene |
| 24 | 12.70 | 3.84% | (E)-beta-Ocimene | Monoterpene |
| 25 | 13.14 | 0.06% | gamma-Terpinene | Monoterpene |
| 26 | 13.69 | 0.04% | cis-Linalool oxide (5) (furanoid) | Monoterpenol |
| 27 | 14.36 | 0.18% | Terpinolene | Monoterpene |
| 28 | 15.30 | 28.30% | Linalool | Monoterpenol |
| 29 | 15.35 | 0.07% | Hotrienol | Monoterpenol |
| 30 | 15.41 | 0.05% | Hexyl propanoate | Monoterpene Ester |
| 31 | 15.55 | 1.93% | 1-Octenyl-3 acetate | Monoterpene Ester |
| 32 | 15.70 | 0.03% | Heptyl acetate | Monoterpene Ester |
| 33 | 16.07 | 0.16% | Octan-3-yl acetate | Aliphatic Ester |
| 34 | 16.39 | 0.81% | Alloocimene | Monoterpene |
| 35 | 17.07 | 0.12% | Camphor | Monoterpene Ketone |

Client



Source



Lavender, Avice Hill (*Lavandula angustifolia*)
US-59303

| Number | RT | Area % | Compound Name | Chemical Family |
|--------|--------|--------|---------------------------|----------------------|
| 36 | 17.319 | 0.05% | Hexyl isobutyrate | Monoterpene Ketone |
| 37 | 17.45 | 0.01% | Nerol oxide | Monoterpene Ether |
| 38 | 17.91 | 0.01% | para-Mentha-1,5-dien-8-ol | Monoterpenol |
| 39 | 18.05 | 1.30% | Lavandulol | Monoterpenol |
| 40 | 18.28 | 0.48% | Borneol | Monoterpenol |
| 41 | 18.69 | 0.93% | Terpinen-4-ol | Monoterpenol |
| 42 | 18.78 | 0.05% | para-Cymen-8-ol | Monoterpenol |
| 43 | 19.41 | 2.38% | alpha-Terpineol | Monoterpenol |
| 44 | 20.22 | 0.03% | Octyl acetate | Aliphatic Ester |
| 45 | 20.81 | 0.40% | Nerol | Monoterpenol |
| 46 | 21.34 | 0.02% | Hexyl 2-methyl butanoate | Monoterpene Ester |
| 47 | 21.46 | 0.01% | Cuminal | Monoterpene Aldehyde |
| 48 | 22.10 | 25.10% | Linalyl acetate | Monoterpene Ester |
| 49 | 22.98 | 0.07% | Isopulegyl acetate | Monoterpene Ester |
| 50 | 23.38 | 0.02% | Bornyl acetate | Monoterpene Ester |
| 51 | 23.58 | 9.38% | Lavandulyl acetate | Monoterpene Ester |
| 52 | 25.48 | 0.06% | Hexyl tiglate | Monoterpene Ester |
| 53 | 26.12 | 0.02% | alpha-Terpinyl acetate | Monoterpene Ester |
| 54 | 26.74 | 0.87% | Neryl acetate | Monoterpene Ester |
| 55 | 27.60 | 1.58% | Geranyl acetate | Monoterpene Ester |
| 56 | 27.91 | 0.11% | 7-epi-Sesquithujene | Sesquiterpene |
| 57 | 28.23 | 0.01% | 1-Tetradecene | Alkene |
| 58 | 28.95 | 0.06% | cis-alpha-Bergamotene | Sesquiterpene |
| 59 | 29.15 | 5.89% | beta-Caryophyllene | Sesquiterpene |
| 60 | 29.68 | 0.01% | Coumarin | Coumarin |
| 61 | 29.77 | 0.13% | trans-alpha-Bergamotene | Sesquiterpene |
| 62 | 30.07 | 0.02% | beta-Cedrene | Sesquiterpene |
| 63 | 30.21 | 0.07% | beta-Copaene | Sesquiterpene |
| 64 | 30.31 | 0.02% | epi-beta-Santalene | Sesquiterpene |
| 65 | 30.57 | 0.18% | alpha-Humulene | Sesquiterpene |
| 66 | 30.70 | 3.32% | (E)-beta-Farnesene | Sesquiterpene |
| 67 | 30.86 | 0.05% | cis-Muurola-4(14),5-diene | Sesquiterpene |
| 68 | 31.64 | 0.44% | Germacrene D | Sesquiterpene |
| 69 | 31.82 | 0.06% | alpha-Zingiberene | Sesquiterpene |
| 70 | 32.23 | 0.01% | Bicyclogermacrene | Sesquiterpene |
| 71 | 32.53 | 0.02% | Germacrene A | Sesquiterpene |

ESSENTIAL VALIDATION SERVICES | 14 / SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 351-7501-5044

- 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

