

Client



Source



Lavender, High Altitude, Wild (*Lavandula angustifolia*, lavender vera)
FR-59258

Sample

Lavender, High Altitude, Wild (*Lavandula*

Batch #:..... FR-59258

Type:..... Essential Oil

CAS Number:...

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Website



Primary

31.91%

Linalyl acetate

27.87%

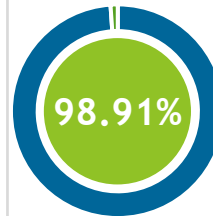
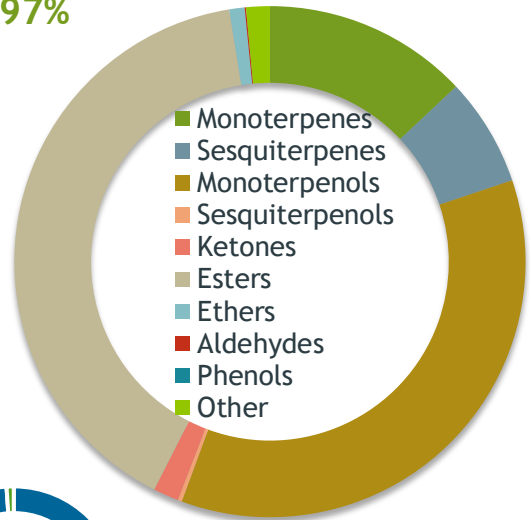
Linalool

4.68%

Lavandulyl acetate

Esters

39.97%



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, High Altitude, Wild (*Lavandula angustifolia*, lavender vera)

Internal Number: | EVS-5011



Essential Validation Services

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

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

Alan Christen

| | | |
|-----------------|--------|--------|
| Monoterpenes | 12.99% | 12.99% |
| Sesquiterpenes | 6.85% | 6.85% |
| Monoterpenols | 35.77% | 35.77% |
| Sesquiterpenols | 0.26% | 0.26% |
| Ketones | 1.61% | 1.61% |
| Esters | 39.97% | 39.97% |
| Ethers | 0.97% | 0.97% |
| Aldehydes | 0.08% | 0.08% |
| Phenols | 0.00% | 0.00% |
| Other | 1.50% | 1.50% |

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| Total Percentage | | 98.91% | | |
|------------------|-------|--------|-------------------------------------|-------------------|
| Number | RT | Area % | Compound Name | Chemical Family |
| 1 | 4.42 | 0.04% | Butyl acetate | Aliphatic Ester |
| 2 | 4.70 | 0.04% | Methyl hexyl ether | Aliphatic Ether |
| 3 | 5.51 | 0.01% | (E)-Hex-3-en-1-ol | Aliphatic Alcohol |
| 4 | 5.92 | 0.03% | 1-Hexanol | Aliphatic Alcohol |
| 5 | 7.59 | 0.02% | Tricyclene | Monoterpene |
| 6 | 7.75 | 0.12% | alpha-Thujene | Monoterpene |
| 7 | 8.00 | 0.21% | alpha-Pinene | Monoterpene |
| 8 | 8.60 | 0.17% | Camphene | Monoterpene |
| 9 | 9.54 | 0.05% | Sabinene | Monoterpene |
| 10 | 9.70 | 0.10% | beta-Pinene | Monoterpene |
| 11 | 9.92 | 0.22% | 1-Octen-3-ol | Aliphatic Alcohol |
| 12 | 10.11 | 1.13% | Octan-3-one | Aliphatic Ketone |
| 13 | 10.28 | 0.69% | Myrcene | Monoterpene |
| 14 | 10.58 | 0.11% | Butyl butyrate | Aliphatic Ester |
| 15 | 10.63 | 0.13% | 3-Octanol | Aliphatic Alcohol |
| 16 | 10.92 | 0.05% | alpha-Phellandrene | Monoterpene |
| 17 | 11.02 | 0.09% | delta-3-Carene | Monoterpene |
| 18 | 11.28 | 0.35% | Hexyl acetate | Aliphatic Ester |
| 19 | 11.39 | 0.04% | 2-Carene | Monoterpene |
| 20 | 11.51 | 0.06% | o-Cymene | Monoterpene |
| 21 | 11.72 | 0.14% | para-Cymene | Monoterpene |
| 22 | 11.81 | 0.03% | alpha-Terpinene | Monoterpene |
| 23 | 11.93 | 2.88% | Limonene | Monoterpene |
| 24 | 12.02 | 0.47% | 1,8-Cineole | Monoterpene Ether |
| 25 | 12.32 | 4.37% | (Z)-beta-Ocimene | Monoterpene |
| 26 | 12.77 | 2.92% | (E)-beta-Ocimene | Monoterpene |
| 27 | 13.23 | 0.15% | gamma-Terpinene | Monoterpene |
| 28 | 13.78 | 0.29% | cis-Linalool oxide (5) (furanoid) | Monoterpenol |
| 29 | 13.93 | 0.01% | 1-Octanol | Aliphatic Alcohol |
| 30 | 14.45 | 0.07% | Terpinolene | Monoterpene |
| 31 | 14.52 | 0.17% | trans-Linalool oxide (5) (furanoid) | Monoterpenol |
| 32 | 15.32 | 27.87% | Linalool | Monoterpenol |
| 33 | 15.38 | 0.07% | Hotrienol | Monoterpenol |
| 34 | 15.48 | 0.05% | Hexyl propanoate | Monoterpene Ester |
| 35 | 15.61 | 1.23% | 1-Octenyl-3 acetate | Monoterpene Ester |

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| Number | RT | Area % | Compound Name | Chemical Family |
|--------|--------|--------|-----------------------------------|----------------------|
| 36 | 15.773 | 0.03% | Heptyl acetate | Monoterpene Ester |
| 37 | 16.15 | 0.20% | Octan-3-yl acetate | Aliphatic Ester |
| 38 | 16.47 | 0.83% | Alloocimene | Monoterpene |
| 39 | 16.78 | 0.02% | Nopinone | Monoterpene Ketone |
| 40 | 16.91 | 0.02% | alpha-Pinocarveol | Monoterpene |
| 41 | 17.15 | 0.28% | Camphor | Monoterpene Ketone |
| 42 | 17.41 | 0.07% | Hexyl isobutyrate | Monoterpene Ester |
| 43 | 17.53 | 0.02% | Nerol oxide | Monoterpene Ether |
| 44 | 17.98 | 0.01% | para-Mentha-1,5-dien-8-ol | Monoterpene |
| 45 | 18.12 | 0.88% | Lavandulol | Monoterpene |
| 46 | 18.36 | 0.98% | Borneol | Monoterpene |
| 47 | 18.58 | 0.03% | cis-Linalool oxide (6) (pyranoid) | Monoterpene |
| 48 | 18.79 | 4.22% | Terpinen-4-ol | Monoterpene |
| 49 | 19.01 | 0.16% | Cryptone | Monoterpene Ketone |
| 50 | 19.11 | 0.08% | para-Cymen-8-ol | Monoterpene |
| 51 | 19.27 | 0.01% | (Z)-3-Hexenyl butyrate | Aliphatic Ester |
| 52 | 19.46 | 0.98% | alpha-Terpineol | Monoterpene |
| 53 | 20.07 | 0.02% | Decanal | Aliphatic Aldehyde |
| 54 | 20.31 | 0.02% | Octyl acetate | Aliphatic Ester |
| 55 | 20.59 | 0.02% | trans-Carveol | Monoterpene |
| 56 | 20.89 | 0.15% | Nerol | Monoterpene |
| 57 | 21.43 | 0.02% | Hexyl 2-methyl butanoate | Monoterpene Ester |
| 58 | 21.55 | 0.06% | Cuminal | Monoterpene Aldehyde |
| 59 | 21.64 | 0.02% | Carvone | Monoterpene Ketone |
| 60 | 22.18 | 31.91% | Linalyl acetate | Monoterpene Ester |
| 61 | 23.08 | 0.04% | Isopulegyl acetate | Monoterpene Ester |
| 62 | 23.48 | 0.15% | Isobornyl acetate | Monoterpene Ether |
| 63 | 23.61 | 4.68% | Lavandulyl acetate | Monoterpene Ester |
| 64 | 25.57 | 0.03% | Hexyl tiglate | Monoterpene Ester |
| 65 | 26.83 | 0.39% | Neryl acetate | Monoterpene Ester |
| 66 | 27.40 | 0.03% | alpha-Cubebene | Sesquiterpene |
| 67 | 27.53 | 0.01% | Longicyclene | Sesquiterpene |
| 68 | 27.68 | 0.68% | Geranyl acetate | Monoterpene Ester |
| 69 | 28.01 | 0.10% | Hexyl hexanoate | Aliphatic Ester |
| 70 | 28.32 | 0.01% | 1-Tetradecene | Alkene |
| 71 | 28.65 | 0.03% | 7-epi-Sesquithujene | Sesquiterpene |

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| | | | | |
|----|-------|-------|----------------------------|---------------------|
| 72 | 29.04 | 0.06% | cis-alpha-Bergamotene | Sesquiterpene |
| 73 | 29.21 | 4.03% | beta-Caryophyllene | Sesquiterpene |
| 74 | 29.64 | 0.02% | Sibirene | Sesquiterpene |
| 75 | 29.87 | 0.15% | trans-alpha-Bergamotene | Sesquiterpene |
| 76 | 30.40 | 0.03% | epi-beta-Santalene | Sesquiterpene |
| 77 | 30.66 | 0.10% | alpha-Humulene | Sesquiterpene |
| 78 | 30.77 | 1.81% | (Z)-beta-Farnesene | Sesquiterpene |
| 79 | 30.95 | 0.04% | beta-Gurjunene | Sesquiterpene |
| 80 | 31.73 | 0.41% | Germacrene D | Sesquiterpene |
| 81 | 31.91 | 0.06% | (E)-beta-Farnesene | Sesquiterpene |
| 82 | 32.32 | 0.01% | Bicyclogermacrene | Sesquiterpene |
| 83 | 32.63 | 0.01% | alpha-Selinene | Sesquiterpene |
| 84 | 32.93 | 0.03% | beta-Bisabolene | Sesquiterpene |
| 85 | 33.54 | 0.02% | beta-Sesquiphellandrene | Sesquiterpene |
| 86 | 34.73 | 0.01% | cis-Sesquisabinene hydrate | Monoterpene Ester |
| 87 | 35.64 | 0.29% | Caryophyllene oxide | Sesquiterpene Ether |
| 88 | 36.97 | 0.03% | 1,10-di-epi-Cubenol | Sesquiterpenol |
| 89 | 37.98 | 0.23% | alpha-Cadinol | Sesquiterpenol |
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