

Client



Source



Rose Geranium Organic (*Pelargonium graveolens*)
B448002

Sample

Rose Geranium (*Pelargonium graveolens*)

Batch #:..... B448002

Type:..... Organic Essential Oil

CAS Number:... 8000-46-2

Natural Sourcing LLC

Client



Website



Primary

23.85%

Citronellol

17.30

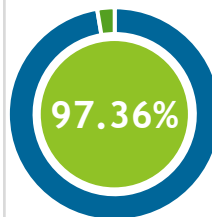
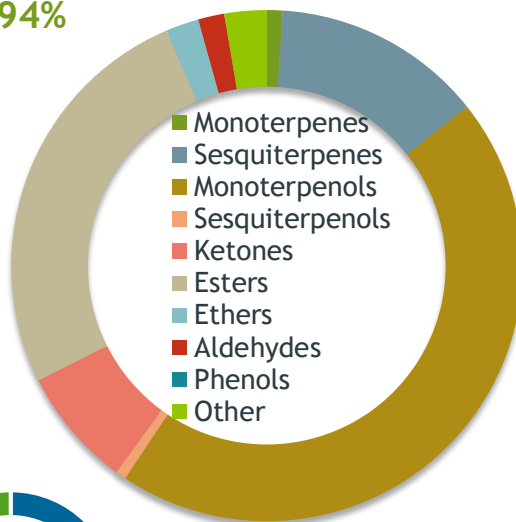
Geraniol

11.04%

Citronellyl formate

Monoterpenols

44.94%



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 Rose Geranium organic (*Pelargonium graveolens*)

Internal Number: | EVS-4036



Essential Validation Services

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

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

Alan Christen

| | |
|-----------------|--------|
| Monoterpenes | 0.99% |
| Sesquiterpenes | 13.31% |
| Monoterpenols | 44.94% |
| Sesquiterpenols | 0.66% |
| Ketones | 7.56% |
| Esters | 25.95% |
| Ethers | 2.08% |
| Aldehydes | 1.65% |
| Phenols | 0.00% |
| Other | 2.67% |

- 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- This report may not be published without the consent of Essential Validation Services.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


NATURAL SOURCING
 Cosmetic and Personal Care Ingredient Specialists
 PROUDLY SERVING YOU FOR OVER 30 YEARS

Source


Rose Geranium Organic (Pelargonium graveolens)

B448002

| Total Percentage | | 97.36% | | |
|------------------|-------|--------|-------------------------------------|----------------------|
| Number | RT | Area % | Compound Name | Chemical Family |
| 1 | 5.71 | 0.02% | cis-Hex-3-en-1-ol | Aliphatic Alcohol |
| 2 | 8.28 | 0.31% | alpha-Pinene | Monoterpene |
| 3 | 10.23 | 0.01% | 1-Octen-3-ol | Aliphatic Alcohol |
| 4 | 10.40 | 0.10% | 6-Methyl-5-hepten-2-one | Aliphatic Ketone |
| 5 | 10.59 | 0.16% | Myrcene | Monoterpene |
| 6 | 11.24 | 0.07% | alpha-Phellandrene | Monoterpene |
| 7 | 12.04 | 0.06% | para-Cymene | Monoterpene |
| 8 | 12.25 | 0.16% | Limonene | Monoterpene |
| 9 | 12.38 | 0.03% | 1,8-Cineole | Monoterpene Ether |
| 10 | 12.63 | 0.06% | (Z)-beta-Ocimene | Monoterpene |
| 11 | 13.10 | 0.05% | (E)-beta-Ocimene | Monoterpene |
| 12 | 13.37 | 0.01% | Bergamal | Aliphatic Aldehyde |
| 13 | 14.14 | 0.16% | cis-Linalool oxide (5) (furanoid) | Monoterpenol |
| 14 | 14.87 | 0.07% | trans-Linalool oxide (5) (furanoid) | Monoterpenol |
| 15 | 15.54 | 2.29% | Linalool | Monoterpenol |
| 16 | 15.64 | 0.09% | 6-Methyl-3,5-heptadien-2-one | Monoterpene Ketone |
| 17 | 15.96 | 0.79% | cis-Rose oxide | Monoterpene Ether |
| 18 | 16.69 | 0.36% | trans-Rose oxide | Monoterpene Ether |
| 19 | 16.82 | 0.03% | Alloocimene | Monoterpene |
| 20 | 17.19 | 0.02% | Camphor | Monoterpene Ketone |
| 21 | 17.67 | 0.07% | Isopulegol | Monoterpenol |
| 22 | 18.00 | 0.85% | Menthone | Monoterpene Ketone |
| 23 | 18.43 | 6.50% | Isomenthone | Monoterpene Ketone |
| 24 | 19.22 | 0.03% | (E)-Isocitral | Monoterpene Aldehyde |
| 25 | 19.52 | 0.13% | Neoisomenthol | Monoterpenol |
| 26 | 19.84 | 0.15% | alpha-Terpineol | Monoterpenol |
| 27 | 21.26 | 0.78% | Nerol | Monoterpenol |
| 28 | 21.53 | 23.85% | Citronellol | Monoterpenol |
| 29 | 21.85 | 0.67% | Neral | Monoterpene Aldehyde |
| 30 | 22.58 | 17.30% | Geraniol | Monoterpenol |
| 31 | 22.94 | 0.14% | trans-Myrtanol | Monoterpenol |
| 32 | 23.20 | 0.94% | Geranial | Monoterpene Aldehyde |
| 33 | 23.53 | 11.04% | Citronellyl formate | Monoterpene Ester |
| 34 | 23.62 | 0.41% | Neryl formate | Monoterpene Ester |
| 35 | 24.61 | 7.39% | Geranyl formate | Monoterpene Ester |

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

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B448002

| Number | RT | Area % | Compound Name | Chemical Family |
|--------|--------|--------|---------------------------------|-------------------|
| 36 | 25.955 | 0.01% | delta-Elemene | Monoterpene Ester |
| 37 | 26.62 | 0.09% | alpha-Cubebene | Sesquiterpene |
| 38 | 26.73 | 0.08% | 2-Phenylethyl propionate | Monoterpene Ester |
| 39 | 26.83 | 0.34% | Citronellyl acetate | Monoterpene Ester |
| 40 | 27.20 | 0.01% | Neryl acetate | Monoterpene Ester |
| 41 | 27.53 | 0.03% | alpha-Ylangene | Sesquiterpene |
| 42 | 27.81 | 0.35% | alpha-Copaene | Sesquiterpene |
| 43 | 28.05 | 0.40% | Geranyl acetate | Monoterpene Ester |
| 44 | 28.13 | 1.19% | beta-Bourbonene | Sesquiterpene |
| 45 | 28.43 | 0.27% | beta-Elemene | Sesquiterpene |
| 46 | 28.58 | 0.12% | Phenylethyl isobutyrate | Phenolic ester |
| 47 | 29.12 | 0.02% | alpha-Gurjunene | Sesquiterpene |
| 48 | 29.60 | 1.25% | beta-Caryophyllene | Sesquiterpene |
| 49 | 30.05 | 0.16% | beta-Copaene | Sesquiterpene |
| 50 | 30.33 | 0.63% | alpha-Guaiene | Sesquiterpene |
| 51 | 30.59 | 6.25% | 6,9-Guaiadiene | Sesquiterpene |
| 52 | 30.96 | 0.08% | Neryl propionate | Monoterpene Ester |
| 53 | 31.08 | 0.28% | alpha-Humulene | Sesquiterpene |
| 54 | 31.26 | 0.12% | allo-Aromadendrene | Sesquiterpene |
| 55 | 31.83 | 1.45% | Geranyl propionate | Monoterpene Ester |
| 56 | 31.94 | 0.04% | gamma-Murolene | Sesquiterpene |
| 57 | 32.14 | 1.22% | Germacrene D | Sesquiterpene |
| 58 | 32.35 | 0.16% | cis-Muurolo-4(14),5-diene | Sesquiterpene |
| 59 | 32.44 | 0.22% | beta-Selinene | Sesquiterpene |
| 60 | 32.55 | 0.09% | 1-epi-Bicyclosesquiphellandrene | Monoterpene |
| 61 | 32.74 | 0.10% | alpha-Selinene | Sesquiterpene |
| 62 | 32.90 | 0.17% | alpha-Murolene | Sesquiterpene |
| 63 | 33.08 | 0.06% | delta-Amorphene | Sesquiterpene |
| 64 | 33.24 | 0.03% | (E,E)-alpha-Farnesene | Sesquiterpene |
| 65 | 33.39 | 0.53% | Geranyl isobutyrate | Monoterpene Ester |
| 66 | 33.53 | 0.03% | Cubebol | Sesquiterpenol |
| 67 | 33.69 | 0.40% | delta-Cadinene | Sesquiterpene |
| 68 | 33.78 | 0.10% | trans-Calamenene | Sesquiterpene |
| 69 | 33.85 | 0.08% | Zonarene | Sesquiterpene |
| 70 | 34.22 | 0.06% | trans-Cadina-1,4-diene | Sesquiterpene |
| 71 | 34.36 | 0.13% | (Z)-Nerolidol | Sesquiterpenol |

ESSENTIAL VALIDATION SERVICES | 74 / SW 7TH AVE GAINESVILLE, FLORIDA 32601 | 352-301-5044

