



Rosemary alpha-Pinene (Rosmarinus officinalis)

Sample:



Client: | Nature's Gift
 Sample: | Rosemary alpha-Pinene
 Latin Name: | Rosmarinus officinalis
 Batch #: | AU-58813
 CAS Number: | 8000-25-7
 Type: | Essential Oil

Laboratory:



Essential Validation Services
<https://essentialvalidationservices.com/>
adam@essentialvalidationservices.com
 747 SW 2nd Ave, Suite 306 IMB 12
 Gainesville, FL 32601
 317-361-5044

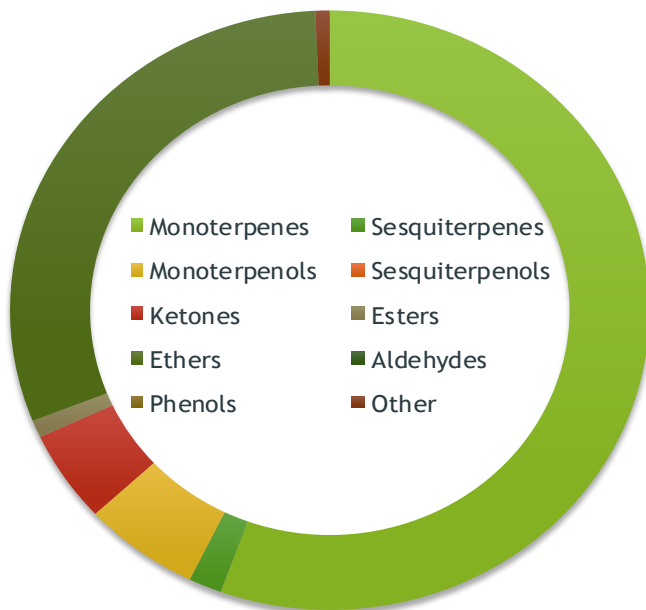
Top 5 Compounds:

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Rosemary alpha-Pinene (Rosmarinus officinalis).

Conclusion:



| Compounds | % |
|--------------------------|--------|
| alpha-Pinene | 42.48% |
| 1,8-Cineole (Co-Eluting) | 30.25% |
| Camphene | 4.80% |
| Verbenone | 2.38% |
| beta-Pinene | 2.35% |



| Chemical Families | |
|----------------------|------------------------|
| Monoterpenes | Sesquiterpenes |
| 55.55% | 1.67% |
| Monoterpenols | Sesquiterpenols |
| 5.89% | 0.00% |
| Ketones | Esters |
| 4.94% | 0.93% |
| Ethers | Aldehydes |
| 30.29% | 0.00% |
| Phenols | Other |
| 0.00% | 0.73% |

X
 Adam Christensen
 CEO



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Rosemary alpha-Pinene (*Rosmarinus officinalis*)

| Total Percentage | | 99.27% | | | |
|------------------|-------|------------|-----------------------------------|---------|---------------------|
| Number | RT | Area % | Compound Name | RI | Chemical Family |
| 1 | 12.26 | 0.02% | Hashishene | 922.00 | Monoterpene |
| 2 | 12.38 | 0.19% | Tricyclene | 923.00 | Monoterpene |
| 3 | 12.61 | 0.10% | alpha-Thujene | 927.80 | Monoterpene |
| 4 | 12.94 | 42.48% | alpha-Pinene | 936.10 | Monoterpene |
| 5 | 13.50 | 4.80% | Camphene | 950.30 | Monoterpene |
| 6 | 13.74 | 0.72% | Thuja-2,4(10)-diene | 953.00 | Monoterpene |
| 7 | 14.56 | 0.04% | Sabinene | 973.00 | Monoterpene |
| 8 | 14.68 | 2.35% | beta-Pinene | 974.00 | Monoterpene |
| 9 | 15.28 | 1.37% | Myrcene | 989.20 | Monoterpene |
| 10 | 15.85 | 0.20% | alpha-Phellandrene | 1002.00 | Monoterpene |
| 11 | 16.36 | 0.43% | alpha-Terpinene | 1014.00 | Monoterpene |
| 12 | 16.71 | 1.58% | para-Cymene | 1024.30 | Monoterpene |
| 13 | 17.02 | 30.25% | 1,8-Cineole | 1031.80 | Monoterpene Ether |
| 14 | 17.03 | Co-Eluting | Limonene | 1029.50 | Monoterpene |
| 15 | 18.13 | 0.68% | gamma-Terpinene | 1054.00 | Monoterpene |
| 16 | 18.49 | 0.06% | cis-Linalool oxide (5) (furanoid) | 1075.10 | Monoterpenol |
| 17 | 19.35 | 0.59% | Terpinolene | 1092.10 | Monoterpene |
| 18 | 19.77 | 1.83% | Linalool | 1099.00 | Monoterpenol |
| 19 | 20.81 | 0.40% | Chrysanthenone | 1127.10 | Monoterpene Ketone |
| 20 | 21.41 | 0.09% | trans-Pinocarveol | 1143.75 | Monoterpenol |
| 21 | 21.59 | 1.82% | Camphor | 1147.55 | Monoterpene Ketone |
| 22 | 22.22 | 0.11% | Pinocarpone | 1161.43 | Monoterpene Ketone |
| 23 | 22.29 | 0.23% | Trans-Pinocamphone | 1162.33 | Monoterpene Ketone |
| 24 | 22.45 | 2.05% | Borneol | 1168.71 | Monoterpenol |
| 25 | 22.75 | 0.40% | cis-Pinocarveol | 1182.00 | Monoterpenol |
| 26 | 22.86 | 0.50% | Terpinen-4-ol | 1180.57 | Monoterpenol |
| 27 | 23.37 | 0.59% | alpha-Terpineol | 1191.71 | Monoterpenol |
| 28 | 24.06 | 2.38% | Verbenone | 1213.80 | Monoterpene Ketone |
| 29 | 25.66 | 0.37% | Geraniol | 1255.29 | Monoterpenol |
| 30 | 26.81 | 0.93% | Bornyl acetate | 1288.29 | Monoterpene Ester |
| 31 | 30.01 | 0.03% | alpha-Copaene | 1379.00 | Sesquiterpene |
| 32 | 31.48 | 1.50% | beta-Caryophyllene | 1427.14 | Sesquiterpene |
| 33 | 32.59 | 0.14% | alpha-Humulene | 1461.43 | Sesquiterpene |
| 34 | 36.59 | 0.04% | Caryophyllene oxide | 1594.86 | Sesquiterpene Ether |
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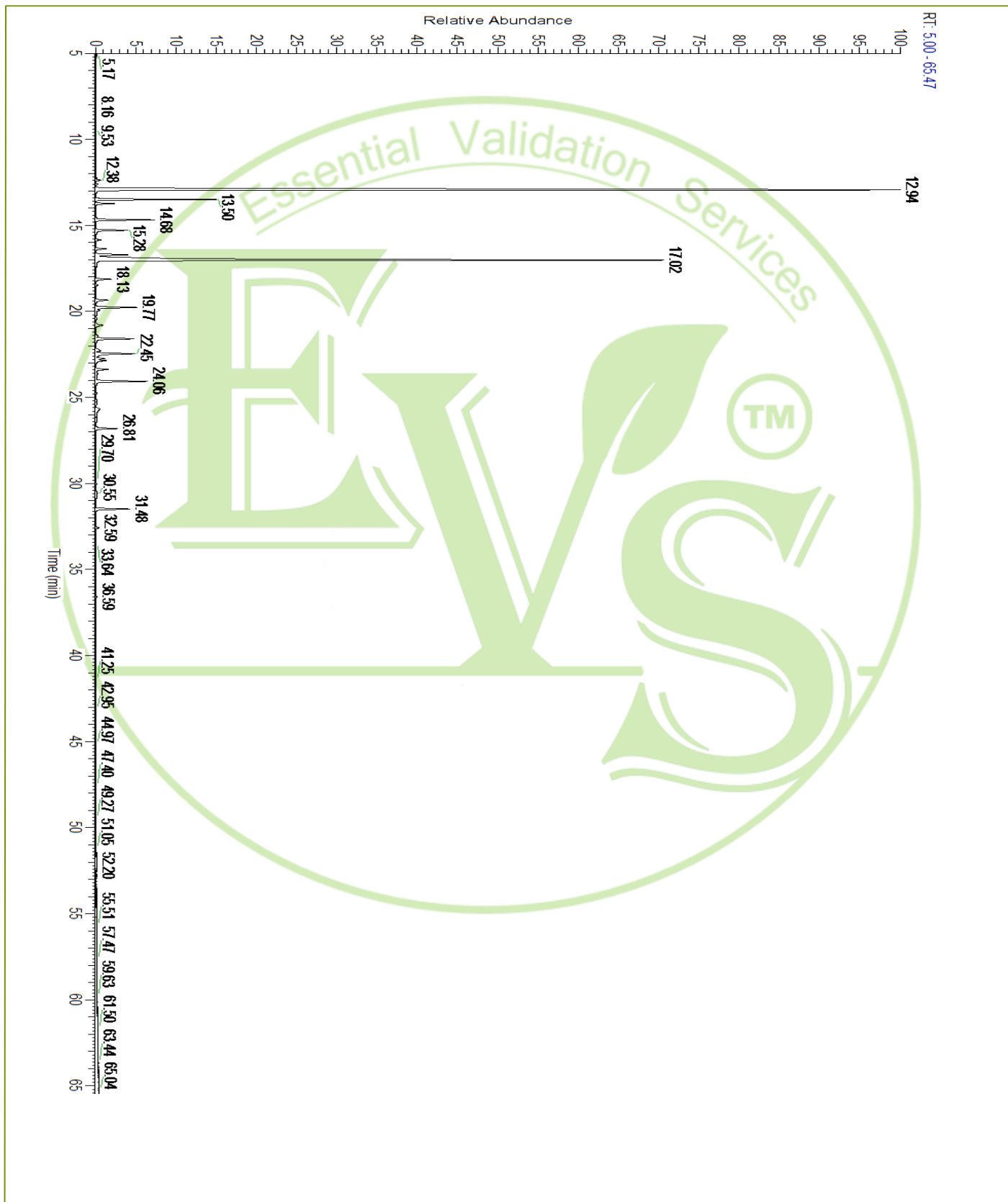
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