



Essential Validation Services



Sample:

Client: | 21 Drops
Sample: | Rosemary (Rosmarinus officinalis)
Batch # | 0317/1
CAS Number | 8000-25-7
Type: | Essential Oil

Conclusion:

- No adulterants, diluents, or contaminants were detected via this method.



X 

Validated By:

Essential Validation Services

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Summary of Analyses

A fresh sample of Rosemary (Rosmarinus officinalis) Essential Oil (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.

| Main Compounds | Percentages |
|--------------------|-------------|
| 1,8-Cineole | 50.24% |
| alpha-Pinene | 11.17% |
| Camphor | 9.39% |
| beta-Pinene | 6.95% |
| Camphene | 4.53% |
| beta-Caryophyllene | 4.03% |
| Borneol | 2.47% |
| para-Cymene | 2.10% |
| alpha-Terpineol | 1.59% |
| Bornyl acetate | 1.24% |
| Myrcene | 1.10% |
| Terpinen-4-ol | 0.68% |
| Linalool | 0.65% |

| Monoterpenes | Sesquiterpenes | Monoterpenols | Sesquiterpenols | Ketones |
|--------------|----------------|---------------|-----------------|---------|
| 27.98% | 5.42% | 5.43% | 0.00% | 9.39% |
| Esters | Ethers | Aldehydes | Phenols | Other |
| 1.24% | 50.34% | 0.00% | 0.00% | 0.20% |





