

Client



**NATURAL SOURCING™**  
Specialists in Cosmeceutical Ingredients

Source



*Organic Peppermint (Mentha x piperita)*  
**X1516A32**

Sample

**Organic Peppermint (Mentha x piperita)**

Batch #:..... | X1516A32

Type:..... | Essential Oil

CAS Number:... | 8006-90-4

**Natural Sourcing LLC**

Client



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Website

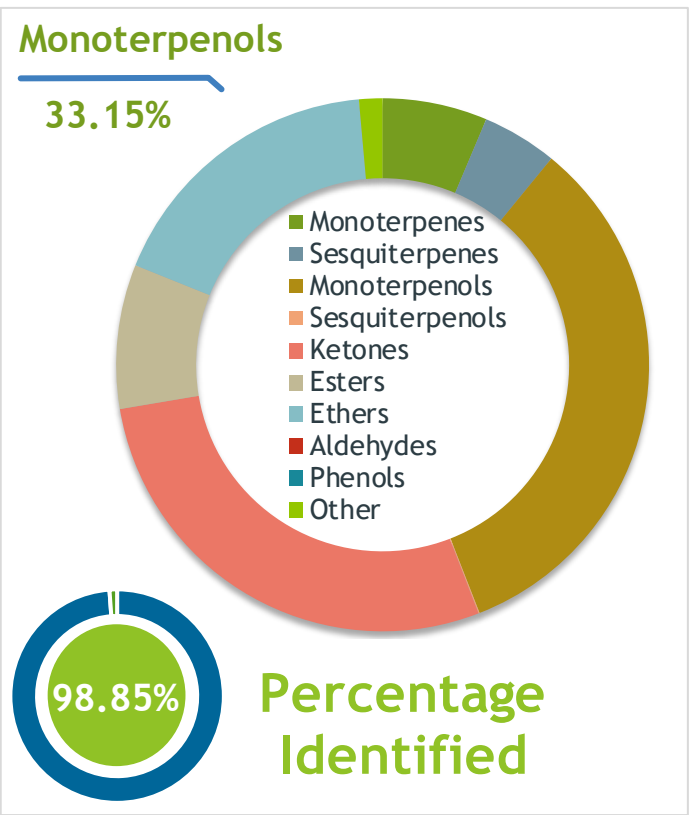


Primary

**30.71%** | Menthol

**25.56%** | Menthone

**13.06%** | Menthofuran (Co-Eluting)



Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine essential oil of Organic Peppermint (Mentha x piperita)

Internal Number: | EVS-2861



*Essential Validation Services*

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

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

adam@essentialvalidationservices.com



|                 |       |        |
|-----------------|-------|--------|
| Monoterpenes    | 6.36  | 6.36%  |
| Sesquiterpenes  | 4.56  | 4.56%  |
| Monoterpenols   | 33.15 | 33.15% |
| Sesquiterpenols | 0.07  | 0.07%  |
| Ketones         | 28.20 | 28.20% |
| Esters          | 8.75  | 8.75%  |
| Ethers          | 17.49 | 17.49% |
| Aldehydes       | 0.00  | 0.00%  |
| Phenols         | 0.00  | 0.00%  |
| Other           | 1.42  | 1.42%  |

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*Organic Peppermint (Mentha x piperita)*  
 X1516A32

| Total Percentage |       | 98.85%     |                            |         |                    |
|------------------|-------|------------|----------------------------|---------|--------------------|
| Number           | RT    | Area %     | Compound Name              | RI      | Chemical Family    |
| 1                | 11.34 | 0.03%      | 2,5-Diethyltetrahydrofuran | 895.30  | Furan              |
| 2                | 12.58 | 0.03%      | alpha-Thujene              | 927.80  | Monoterpene        |
| 3                | 12.86 | 0.76%      | alpha-Pinene               | 936.10  | Monoterpene        |
| 4                | 13.51 | 0.05%      | 3-Methyl cyclohexanone     | 945.00  | Aliphatic Ketone   |
| 5                | 14.53 | 0.41%      | Sabinene                   | 973.00  | Monoterpene        |
| 6                | 14.66 | 1.10%      | beta-Pinene                | 974.00  | Monoterpene        |
| 7                | 14.78 | 0.03%      | 1-Octen-3-ol               | 980.00  | Aliphatic Alcohol  |
| 8                | 15.26 | 0.18%      | Myrcene                    | 989.20  | Monoterpene        |
| 9                | 15.44 | 0.21%      | 3-Octanol                  | 992.00  | Aliphatic Alcohol  |
| 10               | 16.33 | 0.19%      | alpha-Terpinene            | 1014.00 | Monoterpene        |
| 11               | 16.66 | 0.20%      | para-Cymene                | 1024.30 | Monoterpene        |
| 12               | 16.85 | 2.94%      | Limonene                   | 1029.50 | Monoterpene        |
| 13               | 16.96 | 4.38%      | 1,8-Cineole                | 1031.80 | Monoterpene Ether  |
| 14               | 17.21 | 0.11%      | (Z)-beta-Ocimene           | 1037.80 | Monoterpene        |
| 15               | 17.63 | 0.03%      | (E)-beta-Ocimene           | 1047.70 | Monoterpene        |
| 16               | 18.09 | 0.30%      | gamma-Terpinene            | 1054.00 | Monoterpene        |
| 17               | 18.45 | 0.27%      | trans-Sabinene hydrate     | 1072.00 | Monoterpenol       |
| 18               | 19.32 | 0.11%      | Terpinolene                | 1092.10 | Monoterpene        |
| 19               | 19.75 | 0.18%      | Linalool                   | 1099.00 | Monoterpenol       |
| 20               | 21.63 | 0.13%      | Isopulegol                 | 1151.25 | Monoterpenol       |
| 21               | 22.01 | 25.56%     | Menthone                   | 1155.00 | Monoterpene Ketone |
| 22               | 22.37 | 13.06%     | Menthofuran                | 1164.00 | Monoterpene Ether  |
| 23               | 22.38 | Co-Eluting | Isomenthone                | 1164.33 | Monoterpene Ketone |
| 24               | 22.38 | Co-Eluting | Neomenthol                 | 1165.00 | Monoterpenol       |
| 25               | 22.80 | 30.71%     | Menthol                    | 1177.40 | Monoterpenol       |
| 26               | 22.88 | 0.70%      | Terpinen-4-ol              | 1180.57 | Monoterpenol       |
| 27               | 23.10 | 0.56%      | Isomenthol                 | 1183.75 | Monoterpenol       |
| 28               | 23.34 | 0.59%      | alpha-Terpineol            | 1191.71 | Monoterpenol       |
| 29               | 23.71 | 0.01%      | Neoisomenthol              | 1193.50 | Monoterpenol       |
| 30               | 25.12 | 1.61%      | Pulegone                   | 1244.43 | Monoterpene Ketone |
| 31               | 25.26 | 0.34%      | Carvone                    | 1248.14 | Monoterpene Ketone |
| 32               | 25.65 | 0.64%      | Piperitone                 | 1258.50 | Monoterpene Ketone |
| 33               | 26.34 | 0.57%      | Neomenthyl acetate         | 1275.00 | Monoterpene Ester  |
| 34               | 27.02 | 7.89%      | Menthyl acetate            | 1297.00 | Monoterpene Ester  |
| 35               | 27.53 | 0.29%      | Isomenthyl acetate         | 1308.00 | Monoterpene Ester  |

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