



316 Old Hickory Blvd East, Madison, TN 37115

tel (615)612-4270 fax (615)860-9171

sold@naturesgift.com

Healing Body, Mind and Spirit with Pure Essential Oils

Since 1995

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## Sweet Marjoram

Origanum majorana

Batch No. EG-59377

Egypt

### Monoterpenes 48.35%

|                   |       |
|-------------------|-------|
| γ terpinene       | 14.91 |
| α terpinene       | 9.92  |
| sabinene          | 8.26  |
| β phellandrene    | 4.79  |
| terpinolene       | 3.48  |
| myrcene           | 1.94  |
| α thujene         | 1.53  |
| para cymene       | 1.33  |
| α phellandrene    | 0.86  |
| α pinene          | 0.72  |
| β pinene          | 0.42  |
| (E) β ocimene     | 0.06  |
| pseudolimonene    | 0.06  |
| (Z) β ocimene     | 0.03  |
| camphene          | 0.02  |
| para-menthatriene | 0.01  |
| para-cymenene     | 0.01  |

### Monoterpenols 45.85%

|                            |       |
|----------------------------|-------|
| terpinen-4-ol              | 21.48 |
| cis-sabinene hydrate       | 15.43 |
| trans-sabinene hydrate     | 3.78  |
| α terpineol                | 3.37  |
| trans-para-Menth-2-en-1-ol | 0.91  |
| cis-para-menth-2-en-1-ol   | 0.48  |
| trans-piperitol            | 0.22  |
| trans-pinocarveol          | 0.06  |
| (E) ascaridol glycol       | 0.05  |
| borneol                    | 0.03  |
| nerol                      | 0.02  |
| para-cymen-8-ol            | 0.02  |

### Sesquiterpene 2.91%

|                   |      |
|-------------------|------|
| β caryophyllene   | 1.93 |
| bicyclogermacrene | 0.37 |
| δ elemene         | 0.29 |
| aromadendrene     | 0.14 |
| viridiflorene     | 0.08 |
| α humulene        | 0.07 |
| δ cadinene        | 0.01 |
| β elemene         | 0.01 |
| β selinene        | 0.01 |

### Ethers 0.03%

|                     |      |
|---------------------|------|
| caryophyllene oxide | 0.03 |
|---------------------|------|

### Sesquiterpenols 0.02%

|             |      |
|-------------|------|
| spathulenol | 0.02 |
|-------------|------|

### Aldehydes 0.01%

|                       |      |
|-----------------------|------|
| α campholene aldehyde | 0.01 |
|-----------------------|------|

### Ketone 0.07%

|                      |      |
|----------------------|------|
| octan-3-one          | 0.04 |
| trans-dihydrocarvone | 0.03 |

### Esters 2.53%

|                        |      |
|------------------------|------|
| linalyl acetate        | 2.38 |
| terpinene-4-yl acetate | 0.04 |
| geranyl acetate        | 0.04 |
| neryl acetate          | 0.03 |
| ethyl 2-methylbutyrate | 0.02 |
| bornyl acetate         | 0.02 |

### Other 0.23%

|                   |      |
|-------------------|------|
| tridecane         | 0.03 |
| cis-hex-3-3n-1-ol | 0.01 |
| unknown           | 0.19 |

Date of Analysis: 3/4/2024

Client



Source

Sweet Marjoram (*Origanum majorana*)

EG-59377 - Egypt

Sample

Sweet Marjoram (*Origanum majorana*)

Identification #: EG-59377

Type:..... Essential Oil

CAS Number:... 8016-33-9

Nature's Gift

Properties

Country Of Origin Egypt

Specific Gravity NT

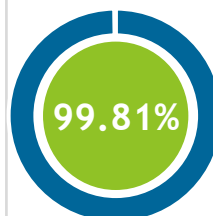
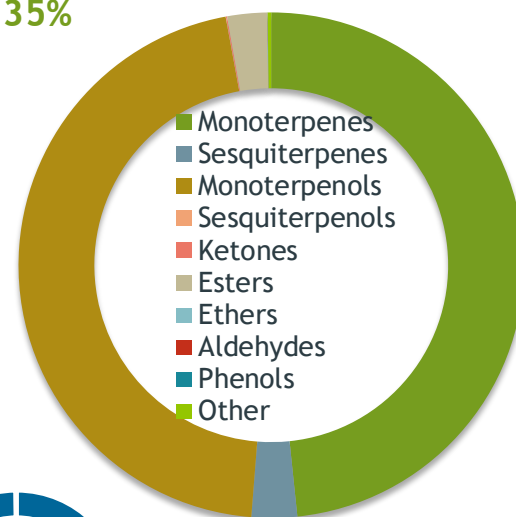
Refractive Index NT

Primary

21.48%Terpinen-4-ol15.43%cis-Sabinene hydrate14.91%gamma-Terpinene

## Monoterpenes

48.35%



Percentage Identified

Result



3/4/2024

Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Sweet Marjoram (*Origanum majorana*)

Internal Number: | EVS-6071



Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

|                 |        |       |
|-----------------|--------|-------|
| Monoterpenes    | 48.35% | 48.35 |
| Sesquiterpenes  |        | 2.91% |
| Monoterpenols   | 45.85% | 45.85 |
| Sesquiterpenols |        | 0.02% |
| Ketones         |        | 0.07% |
| Esters          |        | 2.53% |
| Ethers          |        | 0.03% |
| Aldehydes       |        | 0.01% |
| Phenols         |        | 0.00% |
| Other           |        | 0.23% |

Client



Source

Sweet Marjoram (*Origanum majorana*)

EG-59377

| Total Percentage |       | 99.81% |                            |                      |
|------------------|-------|--------|----------------------------|----------------------|
| Number           | RT    | Area % | Compound Name              | Chemical Family      |
| 1                | 3.79  | 0.02%  | Ethyl 2-methylbutyrate     | Aliphatic Ester      |
| 2                | 5.72  | 0.01%  | cis-Hex-3-en-1-ol          | Aliphatic Alcohol    |
| 3                | 8.01  | 1.53%  | alpha-Thujene              | Monoterpene          |
| 4                | 8.26  | 0.72%  | alpha-Pinene               | Monoterpene          |
| 5                | 8.87  | 0.02%  | Camphene                   | Monoterpene          |
| 6                | 9.83  | 8.26%  | Sabinene                   | Monoterpene          |
| 7                | 9.98  | 0.42%  | beta-Pinene                | Monoterpene          |
| 8                | 10.39 | 0.04%  | Octan-3-one                | Aliphatic Ketone     |
| 9                | 10.56 | 1.94%  | Myrcene                    | Monoterpene          |
| 10               | 11.10 | 0.06%  | Pseudolimonene             | Monoterpene          |
| 11               | 11.21 | 0.86%  | alpha-Phellandrene         | Monoterpene          |
| 12               | 11.70 | 9.92%  | alpha-Terpinene            | Monoterpene          |
| 13               | 12.02 | 1.33%  | para-Cymene                | Monoterpene          |
| 14               | 12.26 | 4.79%  | beta-Phellandrene          | Monoterpene          |
| 15               | 12.60 | 0.03%  | (Z)-beta-Ocimene           | Monoterpene          |
| 16               | 13.06 | 0.06%  | (E)-beta-Ocimene           | Monoterpene          |
| 17               | 13.57 | 14.91% | gamma-Terpinene            | Monoterpene          |
| 18               | 14.06 | 3.78%  | trans-Sabinene hydrate     | Monoterpenol         |
| 19               | 14.76 | 3.48%  | Terpinolene                | Monoterpene          |
| 20               | 14.97 | 0.01%  | para-Cymenene              | Monoterpene          |
| 21               | 15.50 | 15.43% | cis-Sabinene hydrate       | Monoterpenol         |
| 22               | 16.52 | 0.91%  | trans-para-Menth-2-en-1-ol | Monoterpenol         |
| 23               | 16.62 | 0.01%  | alpha-Campholene aldehyde  | Monoterpene Aldehyde |
| 24               | 16.96 | 0.01%  | para-Menthatriene          | Monoterpene          |
| 25               | 17.22 | 0.06%  | trans-Pinocarveol          | Monoterpenol         |
| 26               | 17.35 | 0.48%  | cis-para-Menth-2-en-1-ol   | Monoterpenol         |
| 27               | 18.68 | 0.03%  | Borneol                    | Monoterpenol         |
| 28               | 19.17 | 21.48% | Terpinen-4-ol              | Monoterpenol         |
| 29               | 19.43 | 0.02%  | para-Cymen-8-ol            | Monoterpenol         |
| 30               | 19.79 | 3.37%  | alpha-Terpineol            | Monoterpenol         |
| 31               | 20.16 | 0.03%  | trans-Dihydrocarvone       | Monoterpene Ketone   |
| 32               | 20.43 | 0.22%  | trans-Piperitol            | Monoterpenol         |
| 33               | 21.17 | 0.02%  | Nerol                      | Monoterpenol         |
| 34               | 22.33 | 2.38%  | Linalyl acetate            | Monoterpene Ester    |
| 35               | 23.32 | 0.05%  | trans-Ascaridol glycol     | Monoterpenol         |

