



316 Old Hickory Blvd East, Madison, TN 37115

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

sold@naturesgift.com

*Balancing Body, Mind and Spirit with Pure Essential Oils*

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# Peppermint

*Mentha piperitone*

Batch No. HU-59318  
Hungary

Monoterpenes	4.8%	Monoterpeneols	51.12%	Sesquiterpenes	2.19%
limonene	2.10	menthol	46.86	$\beta$ caryophyllene	1.78
$\alpha$ pinene	0.85	neo-menthol	2.99	germacrene d	0.07
$\beta$ pinene	0.74	neo-isomenthol	0.47	$\delta$ elemene	0.05
para cymene	0.34	$\alpha$ terpineol	0.37	$\alpha$ copaene	0.03
sabinene	0.29	(E) sabinene hydrate	0.15	$\beta$ bourbonene	0.13
$\gamma$ terpinene	0.18	linalool	0.12	$\beta$ elemene	0.04
myrcene	0.08	neo-isopulegol	0.08	(Z) caryophyllene	0.01
terpinolene	0.05	cis-sabinol	0.03	longifolene	0.01
camphene	0.04	(Z) para-mentha-2,8-dien-1-ol	0.02	$\beta$ copaene	0.03
$\alpha$ terpinene	0.04	cis-piperitol	0.02	aromadendrene	0.02
(Z) $\beta$ ocimene	0.04	1-decanol	0.01	$\alpha$ humulene	0.01
$\alpha$ thujene	0.02			bicyclogermacrene	0.01
$\alpha$ phellandrene	0.02				
(E) $\beta$ ocimene	0.01				

Ethers	6.5%	Ketones	23.08%	Other	5.86%
1,8 cineole	6.44	menthone	22.14	menthofurane co-elting Isomenthone	5.71
caryophyllene oxide	0.06	pulegone	0.79	octanol 3	0.09
		isopulegone	0.10	1-octanol	0.03
		3 methyl cyclohexanone	0.02	1-octen-3-ol	0.02
		carvone	0.02	2,5-diethylethyltetrahydrofuran	0.01
		octan-3-one	0.01		

Esters	5.56%
menthyl acetate	5.29
neo-menthyl acetate	0.13
isopropyl tiglate	0.11
2-methylbutyl 2-methyl butyrate	0.02
2-methyl butyl isovalerate	0.01

Client



Source



Peppermint (*Mentha x piperita*)  
HU-59318

Peppermint (*Mentha x piperita*)

Batch #: ..... HU-59318

Type: ..... Essential Oil

CAS Number: ... 8006-90-4

Nature's Gift

Sample



Website



Primary

46.86%

Menthol

22.14%

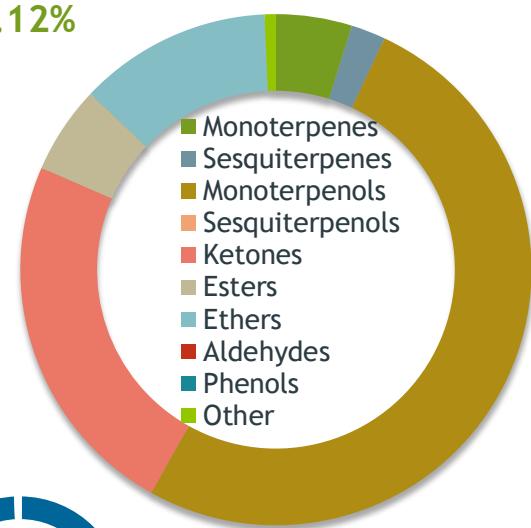
Menthone

6.44%

1,8-Cineole

### Monoterpenols

51.12%



99.44%

Percentage Identified

Result

**APPROVED**

Conclusion

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

Internal Number: | EVS-5505



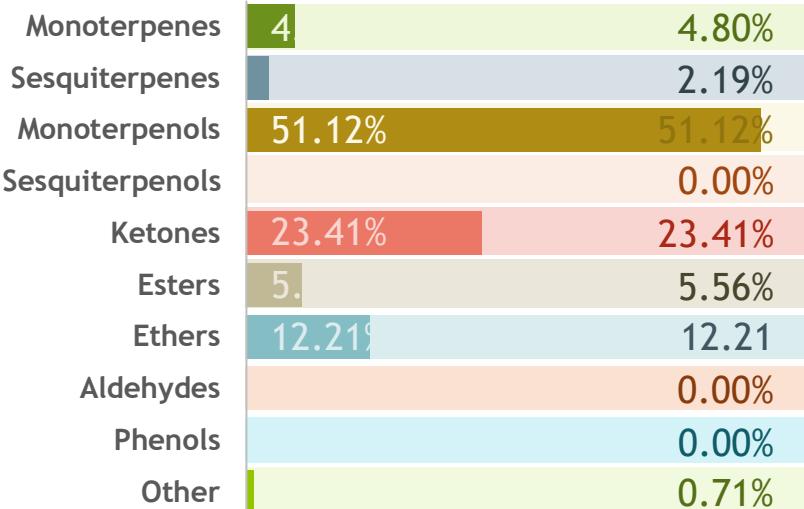
Essential Validation  
Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

*[Signature]*



- 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



Source

Peppermint (*Mentha x piperita*)

HU-59318

Total Percentage	99.44%			
Number	RT	Area %	Compound Name	Chemical Family
1	6.67	0.01%	2,5-Diethyltetrahydrofuran	Furan
2	7.69	0.02%	alpha-Thujene	Monoterpene
3	7.93	0.85%	alpha-Pinene	Monoterpene
4	8.53	0.04%	Camphene	Monoterpene
5	8.66	0.02%	3-Methyl cyclohexanone	Aliphatic Ketone
6	9.36	0.11%	Isopropyl tiglate	Aliphatic Ester
7	9.47	0.29%	Sabinene	Monoterpene
8	9.62	0.74%	beta-Pinene	Monoterpene
9	9.87	0.02%	1-Octen-3-ol	Aliphatic Alcohol
10	10.06	0.01%	Octan-3-one	Aliphatic Ketone
11	10.21	0.08%	Myrcene	Monoterpene
12	10.57	0.09%	3-Octanol	Aliphatic Alcohol
13	10.85	0.02%	alpha-Phellandrene	Monoterpene
14	11.31	0.04%	alpha-Terpinene	Monoterpene
15	11.65	0.34%	para-Cymene	Monoterpene
16	11.85	2.10%	Limonene	Monoterpene
17	11.95	6.44%	1,8-Cineole	Monoterpene Ether
18	12.24	0.04%	(Z)-beta-Ocimene	Monoterpene
19	12.69	0.01%	(E)-beta-Ocimene	Monoterpene
20	13.15	0.18%	gamma-Terpinene	Monoterpene
21	13.68	0.15%	trans-Sabinene hydrate	Monoterpenol
22	13.86	0.03%	1-Octanol	Aliphatic Alcohol
23	14.37	0.05%	Terpinolene	Monoterpene
24	15.11	0.12%	Linalool	Monoterpenol
25	15.25	0.02%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
26	15.51	0.01%	2-Methyl Butyl Isovalerate	Monoterpene Ester
27	16.72	0.02%	cis-para-Mentha-2,8-dien-1-ol	Monoterpenol
28	16.87	0.03%	cis-Sabinol	Monoterpenol
29	17.22	0.08%	neo-Isopulegol	Monoterpenol
30	17.63	22.14%	Menthone	Monoterpene Ketone
31	17.97	5.71%	Menthofuran	Monoterpene Ether
32	17.97	Co-Eluting	Isomenthone	Monoterpene Ketone
33	18.25	2.99%	Neomenthol	Monoterpenol
34	18.46	0.10%	Isopulegone	Monoterpene Ketone
35	18.79	46.86%	Menthol	Monoterpenol

Client



Source



## **Peppermint (*Mentha x piperita*)**

HU-59318