



## Hydrosol Report

Common Name

**Mugwort**

Total Volatile Compounds  
(Concentration)

**589** mg/L

Number of Components  
Identified

**110**

Hydrodistillation of 2.3kg of fresh leaves and flowers (no stalk) yield  
2.4L of hydrosol

Botanical Name

***Artemisia vulgaris***

Country of Origin

**USA**

Adulterated or Contain synthetic Ingredients

ID# 408

CHI1268

### Major Components from GC (Full report upon request)

1,8-Cineole	216.87 mg/L
α-Thujone	162.39 mg/L
Terpinen-4-ol	45.24 mg/L
Borneol	30.8 mg/L
Lavandulol	19.26 mg/L
α-Terpineol + Terpenyl Acetate	16.49 mg/L
β-Thujone	13.43 mg/L
Linalool	8.54 mg/L
Terpenic Epoxyde	7.19 mg/L
δ-Terpineol	4.95 mg/L
trans-Jasmone	4.3 mg/L
Terpenic Epoxyde Isomer	3.77 mg/L
Aromatic Component	2.53 mg/L

Eugenol	2.36 mg/L
Aliphatic Ester	2.3 mg/L
3-Hexen-1-ol	2.12 mg/L
Lavandulyl acetate	2.06 mg/L
cis-p-Menth-2-en-1-ol	2.06 mg/L
Cuminol	1.77 mg/L
Methyl jasmonate	1.71 mg/L
Aromatic Component	1.71 mg/L
Bornyl acetate	1.65 mg/L
trans-p-Menth-2-en-1-ol	1.53 mg/L
Aromatic Component	1.41 mg/L
Menthadienol Isomer	1.41 mg/L
trans-Pinocarveol	1.35 mg/L
Geraniol + P-Cymene-8-Ol	1.18 mg/L



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Aromatic Component	1.06 mg/L
cis-Arbusculon	0.88 mg/L
Sabinol Isomer	0.88 mg/L
Dehydrosabinacetone	0.77 mg/L
Benzaldehyde	0.77 mg/L
3-Hexen-1-ol Acetate	0.71 mg/L
p-Cymene	0.65 mg/L
Aromatic Component	0.65 mg/L
Phenylethyl alcohol	0.65 mg/L
cis-Linalool oxide (pyranic)	0.59 mg/L
cis-Linalool oxide (pyranic)	0.59 mg/L
cis-Piperitol	0.59 mg/L
Myrtenol	0.59 mg/L
P-Mentha-1,2-Dien-8-ol	0.53 mg/L

Aliphatic Ester	0.53 mg/L
Aliphatic Alcohol	0.53 mg/L
Sesquiterpenol	0.53 mg/L
Benzeneacetaldehyde	0.53 mg/L
2,3-Dehydro-1,8-cineole	0.47 mg/L
Myrtenal	0.47 mg/L
1-Octen-3-ol	0.41 mg/L
Camphor	0.41 mg/L
Compound Isomer	0.41 mg/L
Aromatic Component	0.41 mg/L
Phenolic Component	0.41 mg/L
Aromatic Component	0.41 mg/L
Aliphatic Ester	0.41 mg/L
Trans-Carveol	0.35 mg/L



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Pinocarvone	0.35 mg/L
cis-Jasmone	0.35 mg/L
Terpenic Alcohol	0.35 mg/L
Aliphatic Ester	0.35 mg/L
Aromatic Component	0.35 mg/L
α-Cadinol	0.35 mg/L
Isoamyl alcohol	0.35 mg/L
3-Hexenyl, Butyrate	0.35 mg/L
Aliphatic Alcohol	0.35 mg/L
Sesquiterpenic Epoxide	0.29 mg/L
trans-p-Menth-1,2-dien-8-ol	0.29 mg/L
trans-Isopiperitenol	0.29 mg/L
Cryptone	0.29 mg/L
Sesquiterpenic Epoxide	0.29 mg/L

Aliphatic Alcohol	0.29 mg/L
2-Hydroxy-Benzaldehyde, Oxime-	0.29 mg/L
2-Hexen-1-ol	0.29 mg/L
Aliphatic Ester	0.24 mg/L
Aliphatic Alcohol	0.24 mg/L
Aromatic Component	0.24 mg/L
Hexan-1-ol	0.24 mg/L
Menthadienol Isomer	0.24 mg/L
Aromatic Component	0.24 mg/L
Benzyl alcohol	0.24 mg/L
Myrtenol	0.24 mg/L
trans-Linalool oxide (pyranic)	0.24 mg/L
Ethyl 3-Methyl-2-Butenoate	0.24 mg/L
Aromatic Component	0.24 mg/L



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Aliphatic Ester	0.18 mg/L
Aromatic Component	0.18 mg/L
Aliphatic Ester	0.18 mg/L
Aliphatic Ester	0.18 mg/L
Aliphatic Alcohol	0.18 mg/L
Trans-p-2,8-Menthadien-1-ol	0.18 mg/L
Carvacrol	0.18 mg/L
Thymol	0.18 mg/L
Aromatic Component	0.18 mg/L
Aliphatic Ester	0.12 mg/L
Aromatic Component	0.12 mg/L
Aromatic Component	0.12 mg/L
6-Methylheptan-2-one	0.12 mg/L
Hexan-3-one	0.12 mg/L

$\alpha$ -Muurolol	0.12 mg/L
$\gamma$ -Terpinene	0.12 mg/L
Ethyl dimethylacrylate	0.12 mg/L
Hexan-2-one	0.12 mg/L
Hexanal	0.12 mg/L
Pinadiene	0.06 mg/L
Isoamyl acetate	0.06 mg/L
Aliphatic Alcohol	0.06 mg/L
trans-Arbusculon	0.06 mg/L
3-Methyl-2-Pentanone	0.06 mg/L
Aliphatic Ester	0.06 mg/L
Aromatic Component	0.06 mg/L
2-Methylbutyl,2-Methylbutyrate	0.06 mg/L