



Appalachian Valley  
Natural Products  
*Anatolian Treasures*

260 Maple St. PO Box 515  
Friendsville MD 21531  
GOAVNP.COM

<b>Certificate of Analysis:</b>	
<b>Oil Name:</b>	Angelica Root
<b>Botanical Name:</b>	<i>(angelica archangelica)</i>
<b>Lot Number:</b>	FRW8-WY
<b>Country:</b>	France
<b>Name:</b>	<b>Area%</b>
Heptane	0.02
Toluene	0.03
Hexanal	0.02
Heptanal	0.02
alpha-Thujene	0.84
alpha-Pinene	21.87
Thuja-2(4),10-diene	0.02
Camphene	0.83
Verbenene	0.45
Monoterpene	0.02
Sabinene	3.66
beta-Pinene	0.84
Myrcene	4.19
4-Carene	0.15
Octanal	0.13
Pseudolimonene	0.06
alpha-Phellandrene	14.16
3-Carene	10.85
alpha-Terpinene	1.20
meta-Cymene	0.08
para-Cymene	3.30
Limonene	13.57
beta-Phellandrene	8.65
1,8-Cineole	0.74
Z-beta-Ocimene	1.21
E-beta-Ocimene	3.72
gamma-Terpinene	1.29



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trans-Sabinene hydrate	0.03
m-Mentha-3(8),6-diene	0.51
Terpinolene	0.97
Dehydro-p-cymene	0.10
cis-p-Menth-2-en-1-o1	0.19
allo-Ocimene	0.10
trans-p-Menth-2-en-1-o1	0.17
Verbenol	0.15
p-Mentha-1,5-dien-8-o1	0.09
1,3,5-Undecatriene	0.07
Terpinen-4-o1	0.49
Cryptone	0.08
Myrtenal	0.24
Sabinol	0.06
cis-Piperitol	0.06
Phellandral	0.10
Bornyl acetate	0.71
Angelica unidentified	0.11
Angelica unidentified	0.02
4-vinyl-Guaiacol	0.05
trans-Carvyl acetate	0.03
Angelica unidentified	0.08
Cyclosativene	0.10
alpha-Copaene	0.54
beta-Elemene	0.06
beta-Caryophyllene	0.07
beta-Copaene	0.08
E-beta-Farnesene	0.15
alpha-Humulene	0.44
Germacrene D	0.14
alpha-Muurolene	0.20
beta-Bisabolene	0.04
delta-Cadinene	0.09
alpha-Copaen-11-o1	0.23



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alpha-Elemol	0.06
Germacrene B	0.08
alpha-Copaen-8-o1	0.09
Angelica unidentified	0.10
Humulene epoxide II	0.08
13-Tridecanolide	0.43
Angelica unidentified	0.06
15-Pentadecanolide	0.37
beta-Springene	0.03
Angelica unidentified	0.04
Osthole	0.11

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