

**Appalachian Valley Natural Products**

**(301)746-4630**

**260 Maple Street**

**Friendsville, MD 21531**

**www.AV-AT.com**

**John@AV-AT.com**

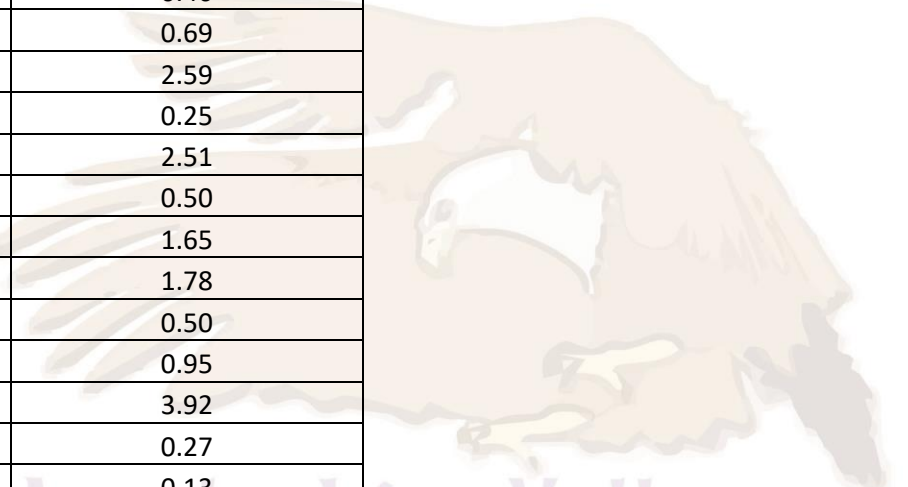
<b>Certificate of Analysis:</b>	
<b>Oil Name:</b>	Spikenard Green
<b>Botanical Name:</b>	<i>(Nardostachys jatamansi)</i>
<b>Lot Number:</b>	NEE16-EY
<b>Country:</b>	Nepal
<b>Name:</b>	<b>Area%</b>
Isovaleric acid	0.35
Isovalerate <ethyl->	0.12
Thujene <alpha->	0.11
Pinene <alpha>	2.75
Camphene	0.08
Sabinene	0.05
Pinene <beta->	5.17
Terpinene <gamma->	0.11
Terpinolene	0.09
Linalool	0.06
USpikenard	0.11
Terpinen-4-ol	0.21
Terpineol <alpha>	0.26
Myrtenol	0.13
Methyl thymol ether	0.11
USpikenard	0.56
USpikenard	0.05
2-Undecanone	0.10
Methyl myrtenate	1.00
Myrtenyl acetate	0.47
USpikenard	0.21
Daucene	0.88
Patchoulene <beta->	1.78
Elemene <beta>	0.36
Gurjunene <alpha>	0.21
Sesquithujene <7-epi->	0.93
USpikenard	0.77
USpikenard	0.54
Bergamotene <cis-alpha>	2.25
Aristolene	1.05
USpikenard	0.85
Gurjunene <beta>	10.06
Guaiene <alpha>	1.27

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USpikenard	1.55
Guaia-6,9-diene	7.63
Neoisolongifolene, 8,9-dehydro-	0.51
Guaiene <alpha>	0.57
Seychellene	3.67
Gurjunene isomer	6.51
Farnesene <Z-beta>	0.69
Alloaromadendrene	1.12
Patchoulene <alpha->	1.65
Calamenene <cis>	0.44
USpikenard	1.51
USpikenard	0.50
Curcumene <gamma>	0.57
Ar-Curcumene	0.32
Bicyclosquisphellandrene <epi>	1.57
Selinene <delta>	0.26
Selinene <beta->	1.00
Valencene	4.01
Selinene <alpha>	0.61
USpikenard	1.11
Bulnesene <alpha>	0.41
Curcumene <beta>	0.69
Cadinene <delta>	0.18
Panasinsene <alpha> + Unknown	6.21
USpikenard	0.39
USpikenard	0.16
USpikenard	0.46
Spathulenol	0.69
USpikenard	2.59
USpikenard	0.25
Carotol	2.51
Duprezianene <alpha->	0.50
USpikenard	1.65
USpikenard	1.78
Santalal <beta>	0.50
USpikenard	0.95
Jatamansone	3.92
USpikenard	0.27
USpikenard	0.13
Valerenal	0.45
USpikenard	1.45



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USpikenard	0.17
USpikenard	0.63
USpikenard	0.82
USpikenard	0.51
USpikenard	1.95
USpikenard	0.25
USpikenard	0.15
USpikenard	0.13
USpikenard	0.11
USpikenard	0.29



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