

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	39234
<b>Product</b>	<b>(-)-<math>\alpha</math>-Phellandrene</b> (-)-5-Isopropyl-2-methyl-1,3-cyclohexadiene (-)- <i>p</i> -Mentha-1,5-diene
<b>CAS Number</b>	4221-98-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>16</sub>
<b>Molecular Weight</b>	136.24

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<b>Warnings</b>	<i>Heat sensitive!</i>
<b>Appearance</b>	Colorless to slightly yellow clear liquid
<b>Boiling point</b>	174 - 176 °C
<b>Flash Point</b>	49 °C
<b>Density</b>	0.84
<b>Refractive Index</b>	1.47
<b>Optical Rotation</b>	$[\alpha]^{20}_D = -140$ to $-190^\circ$
<b>Infrared Spectrum</b>	Conforms to structure
<b>Purity by GC</b>	$\geq 65\%$
<b>Storage</b>	Store at 0 - 10 °C

**For Laboratory Use Only**