

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	39178
<b>Lot Number</b>	003220-1015727
<b>Product</b>	<b>(1R)-(+)-<math>\alpha</math>-Pinene</b> (1R,5R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene
<b>CAS Number</b>	7785-70-8
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>16</sub>
<b>Molecular Weight</b>	136.24

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<b>Appearance</b>	Colorless liquid
<b>Odor</b>	Fresh, piney odor
<b>Specific Gravity</b>	0.857 at 25 °C
<b>Refractive Index</b>	n <sub>20</sub> /D 1.466
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>25</sup> = 38.5 °
<b>Purity by GC</b>	99.2%
<b>Storage</b>	Store at RT
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager