

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	39172
<b>Lot Number</b>	002781-20220410
<b>Product</b>	<b>(1S,2S,3R,5S)-(+)-2,3-Pinenediol</b> (1S,2S,3R,5S)-2,6,6-Trimethylbicyclo[3.1.1]heptane-2,3-diol
<b>CAS Number</b>	18680-27-8
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>
<b>Molecular Weight</b>	170.25

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<b>Appearance</b>	White to off-white solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 9.47 ° (C=6.5 in toluene)
<b>Other Enantiomer</b>	0.1%
<b>Purity by GC</b>	99.6%
<b>Chiral Purity</b>	99.9% (ee)(GC)
<b>Storage</b>	Store at 0 - 10 °C
<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