

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	33576
<b>Product</b>	<b>D-Isovaline</b>
<b>Lot Number</b>	000424-210602-13222 (R)-2-Amino-2-methylbutyric acid
<b>CAS Number</b>	3059-97-0
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	117.15

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -7.4 ° (C=1 in water)
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	100% (ee)
<b>L-Enantiomer</b>	Not detected
<b>Purity by HPLC</b>	99.7%
<b>Storage</b>	Store at 2 - 8 °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