

# Chem-Impex International, Inc.

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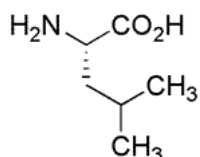
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	29817
<b>Product</b>	<b>L-Leucine, Non-animal origin</b> L-Leu-OH (S)-2-Amino-4-methylpentanoic acid
<b>CAS Number</b>	61-90-5
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	131.18

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride(Cl): ≤ 0.020% Sulfate(SO <sub>4</sub> ): ≤ 0.020%
<b>Cation</b>	Ammonium(NH <sub>4</sub> ): ≤ 0.020% Iron(Fe): ≤ 10 ppm Arsenic(As <sub>2</sub> O <sub>3</sub> ): ≤ 1 ppm
<b>pH</b>	~ 6.1
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +15.7 ± 2°
<b>Loss on Drying</b>	≤ 0.01%
<b>Other Amino Acids</b>	≤ 0.5%
<b>Residue On Ignition</b>	≤ 0.01%
<b>Assay by titration</b>	≥ 99% (on dry basis)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	State of solution(T%): ≥ 98.0%

**For Laboratory Use Only**