

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	33065
<b>Product</b>	<b>L-Leucine, from non animal origin,</b>
<b>Lot Number</b>	000531-21051304
	L-Leu-OH
<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>Solubility</b>	Clear and colorless solution State of solution (T%) : 100%
<b>Heavy Metals</b>	< 5 ppm (as Pb)
<b>Anion</b>	Chloride : < 0.02% Sulfate : < 0.02%
<b>Cation</b>	Ammonium (NH <sub>4</sub> ) : < 0.02% Iron : < 10 ppm Arsenic : < 1 ppm
<b>pH</b>	6.0
<b>Yeast and Mold</b>	< 10 cfu/g
<b>Optical Rotation</b>	[a] <sub>D</sub> <sup>20</sup> = 15.2 ° [a] <sub>D</sub> <sup>25</sup> = 15.5 °
<b>Loss on Drying</b>	0.0%
<b>E. Coli</b>	Negative/g
<b>Endotoxin Test</b>	< 3 EU/g
<b>Microbial Count</b>	< 100 cfu/g (TAMC)
<b>Related Substances</b>	Isoleucine : Not detected Unspecified impurity : 0.1% Total impurities : 0.1%
<b>Residue On Ignition</b>	0.03%
<b>Assay</b>	100.3% (Dry basis)
<b>Grade</b>	USP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : Infrared spectrum : Conforms to structure

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**Remarks**

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**