

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	02199
<b>Product</b>	<b>Z-N-methyl-L-leucine</b>
<b>Lot Number</b>	000424-210202-11712
	Z-N-Me-L-Leu-OH
<b>CAS Number</b>	33099-08-0
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	279.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	71.7 - 73.4 °C
<b>Water Content (Karl Fisher)</b>	0.05%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -27.6 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.13%
<b>Storage</b>	Store at 0 - 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