

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02679
<b>Lot Number</b>	001529-502971
<b>Product</b>	<b>Boc-N-methyl-L-valine</b>  Boc-N-methyl-L-valine
<b>CAS Number</b>	45170-31-8
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	231.3
<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear, colorless solution (50 mg/ml in methanol)
<b>Melting Point</b>	48.9 °C
<b>TLC System</b>	Chloroform/Methanol/Toluene/H <sub>2</sub> O (8:8:8:1) Toluene/Dioxane/Acetic Acid (95:25:4) Chloroform/Ethylacetate/Acetic Acid (50:50:2) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -95° (C=1 in EtOH abs.)
<b>Assay by titration</b>	100.7%
<b>Purity by TLC</b>	> 99%
<b>Chiral Purity</b>	< 0.2% (D-enantiomer)
<b>Storage</b>	Store at RT
<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