

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	12408
<b>Lot Number</b>	001529-504026
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-L-lysine methyl ester hydrochloride</b>  Boc-L-lysine methyl ester hydrochloride
<b>CAS Number</b>	55757-60-3, 99532-86-2
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> ·HCl
<b>Molecular Weight</b>	296.83

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<b>Appearance</b>	White solid (hygroscopic)
<b>Solubility</b>	Clear, colorless to slightly colored solution (5% in methanol)
<b>Water Content (Karl Fisher)</b>	0.6%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1): > 99% Chloroform/Methanol/Acetic acid/Water (70:42:0.5:10): > 99% Identification: conforms to standard
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -18.7° (C=1 in MeOH)
<b>Titration</b>	11.0% (Chloride content: 0.1 M AgNO <sub>3</sub> )
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at ≤ -15 °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