

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	15017
<b>Lot Number</b>	1
<b>Product</b>	<b>Boc-(S)-3-amino-2-(p-toluenesulfonylamino) propionic acid</b>
<b>CAS Number</b>	16947-86-7
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub> S
<b>Molecular Weight</b>	358.41

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	122-124 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -74.4° (C=1 in 1M NaOH)
<b>Assay by titration</b>	97.8%
<b>Purity by HPLC</b>	99.3%
<b>Purity by TLC</b>	> 98%
<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