

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	37441
<b>Lot Number</b>	003051-210701
<b>Product</b>	<b>Boc-L-serine-<math>\beta</math>-lactone</b> (S)- $\alpha$ -Boc-amino-b-propiolactone
<b>CAS Number</b>	98541-64-1
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>13</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	187.20

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<b>Appearance</b>	White powder
<b>Melting Point</b>	121.6 - 121.8 °C
<b>Water Content (Karl Fisher)</b>	0.25%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -25 °
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.38%
<b>Storage</b>	Store at -10 °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**