

# 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>	03858
<b>Lot Number</b>	001328-20140428
<b>Product</b>	<b>Z-O-tert-butyl-L-serine N-hydroxysuccinimide ester</b> Z-L-Ser(tBu)-OSu
<b>CAS Number</b>	19460-97-0
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>
<b>Molecular Weight</b>	392.4

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +1.7° (C=1 in CHCl <sub>3</sub> )
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</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