

# *Chem-Impex International, Inc.*

Tel: (630) 766-2112

E-mail: [sales@chemimpex.com](mailto:sales@chemimpex.com)

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: [www.chemimpex.com](http://www.chemimpex.com)

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalog Number</b>	01380
<b>Product Name</b>	<b>Boc-Ser(tBu)-OH•DCHA</b> Boc-O-tert-butyl-L-serine dicyclohexylammonium salt
<b>Lot Number</b>	090210-31511
<b>CAS Registry Number</b>	18942-50-2
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>23</sub> NO <sub>5</sub> ·C <sub>12</sub> H <sub>23</sub> N
<b>Molecular Weight</b>	442.6
<b>Appearance</b>	White powder
<b>Melting point</b>	162.6 – 163.0 °C
<b>Solubility</b>	Clear solution (0.3g in 2ml DMF)
<b>Optical Rotation</b>	$\alpha_D^{20} = +23.5^\circ$ (C = 1 in DMF)
<b>Analysis by mass spectrum</b>	Complies to standard
<b>Purity by HPLC</b>	99.53%
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets 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

