

# Chem-Impex International, Inc.

---

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

---

## Certificate of Analysis

<b>Catalogue Number</b>	23177
<b>Product</b>	<b><i>N-O-Dibenzyl-L-serine methyl ester oxalate</i></b>
<b>Lot Number</b>	1
	Bzl-Ser(Bzl)-OMe•Oxalate
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>21</sub> NO <sub>3</sub> •C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	389.35

---

<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	135-137 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -6.9° (C=1 in DMF)
<b>Residual Solvents</b>	MeOH, Et <sub>2</sub> O
<b>Assay by titration</b>	98.8%
<b>Purity by HPLC</b>	99.7%
<b>Purity by TLC</b>	> 99%
<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