

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	00434
<b>Lot Number</b>	000424-131114-10945
<b>Product</b>	<b>O-Benzyl-L-threonine benzyl ester oxalate(1:1)</b>  L-Thr(Bzl)-OBzl•oxalate(1:1)
<b>CAS Number</b>	15260-11-4
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>23</sub> NO <sub>7</sub> •C <sub>2</sub> H <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	389.41

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.1 gram in 2 mL DMF)
<b>Melting Point</b>	155.6-157.3 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -22.5° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	0.21% (70 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.93%
<b>Storage</b>	Store at RT
<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