

# 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>	05936
<b>Lot Number</b>	002396-110111020102
<b>Product</b>	<b><i>D-allo</i>-Threonine</b>
	D- <i>allo</i> -Thr-OH
	(2 <i>R</i> ,3 <i>R</i> )-2-Amino-3-hydroxybutyric acid
<b>CAS Number</b>	24830-94-2
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>
<b>Molecular Weight</b>	119.12

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	< 15 ppm
<b>Arsenic (As<sub>2</sub>O<sub>2</sub>)</b>	< 1 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.02%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -9.5° (C=5 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Transmission</b>	99.1%
<b>Loss on Drying</b>	0.05%
<b>Residue On Ignition</b>	0.09%
<b>Assay by titration</b>	100.0%
<b>Chiral HPLC</b>	99.9%
<b>Storage</b>	Store at RT

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**Lot Number: 002396-110111020102**

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**Remarks**

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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**