

# 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>	03097
<b>Lot Number</b>	000424-231211-13424
<b>Product</b>	<b>N<sup>ε</sup>-Boc-D-lysine</b> D-Lys(Boc)-OH
<b>CAS Number</b>	31202-69-4
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	246.3

---

<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear solution 0.1 g in 4 mL 1N HCl
<b>Melting Point</b>	233.0 - 234.1 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -16.3 ° (C=1 in AcOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	1.09% (90 °C at 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.19%
<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