

# 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

**Catalogue Number** 06307  
**Lot Number** 000424-220822-22110  
**Product** *N*<sup>α</sup>-Boc-*N*<sup>β</sup>-Z-L-2,3-diaminopropionic acid  
dicyclohexylammonium salt

Boc-L-Dap(Z)-OH•DCHA

**CAS Number** 65710-58-9  
**Molecular Formula** C<sub>16</sub>H<sub>22</sub>N<sub>2</sub>O<sub>6</sub>·C<sub>12</sub>H<sub>23</sub>N

**Molecular Weight** 519.69

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**Appearance** White powder  
**Solubility** Clear solution 0.1 g in 2 mL MeOH  
**Melting Point** 183.9 - 185.1 °C  
**Water Content (Karl Fisher)** 0.42%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = 10.6 ° (C=1 in MeOH)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.31% (90 °C at 2 h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 98.41%  
**Storage** Store at 0 - 8 °C

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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**



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