

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	06306
<b>Product Name</b>	Boc-D-Dap(Z)-OH•DCHA Boc-N <sup>β</sup> -Z-D-diaminopropionic acid dicyclohexylammonium salt
<b>Lot Number</b>	515634
<b>Molecular Formula</b>	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
<b>Molecular Weight</b>	519.69
<b>Appearance</b>	White product
<b>Solubility</b>	Clear, colorless solution (50mg/ml in Methanol)
<b>Optical Specific Rotation</b> (α <sub>D</sub> <sup>24</sup> )	-9.6° (1%, Methanol)
<b>Melting Point</b>	187-189°C
<b>CHN-Analysis</b>	Calc. as dicyclohexylammonium salt
<b>Elemental Analysis (Found)</b>	C 64.52%, H 8.72%, N 8.15%
<b>Elemental Analysis (theory)</b>	C 64.71%, H 8.73%, N 8.09%
<b>Assay (TLC)</b>	
<b>Chlorofom/Methanol/Acetic acid/H<sub>2</sub>O</b> 85/13/0.5/1.5 (v/v/v/v)	Purity by TLC.....>99% detected by: UV, Ninhydrin, Chlorine-tolidine
<b>Chlorofom/Methanol/Acetic acid</b> 85/10/5 (v/v/v)	
<b>Ethylacetate/Pyridine/Acetic acid /H<sub>2</sub>O</b> 60/10/3/4 (v/v/v/v)	
<b>Plate Silicagel 60 F<sub>254</sub></b>	
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets 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 "Sashi Kumar", written in a cursive style with a long horizontal stroke extending to the left.

**Sashi Kumar**  
**Quality Control Manager**