

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | 06300                                                                                                     |
| <b>Product Name</b>      | <b>Boc-Dab(Z)-OH•DCHA</b><br>Boc-N <sup>γ</sup> -Z-L-2,4-diaminobutyric acid<br>dicyclohexylammonium salt |
| <b>Lot Number</b>        | 06300-031506-1                                                                                            |
| <b>Molecular Formula</b> | C <sub>17</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub> •C <sub>12</sub> H <sub>23</sub> N          |
| <b>Molecular Weight</b>  | 533.69                                                                                                    |
| <b>Appearance</b>        | White powder                                                                                              |
| <b>Melting Point</b>     | 109-112 °C                                                                                                |
| <b>Optical Rotation</b>  | α <sup>20</sup> <sub>D</sub> = -1.62 ° (c=1%, MeOH)                                                       |
| <b>Purity (HPLC)</b>     | 99%                                                                                                       |
| <b>Storage</b>           | Store at -0°C.                                                                                            |
| <b>Remarks</b>           | See material safety data sheets for additional<br>information.<br>For laboratory use only.                |

**Quality Control Manager**

## HPLC Conditions

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| <b>Column</b>                   | Beckman Ultrasphere 5 µm, 250x4.6 mm, 150 Å |
| <b>Guard Column</b>             | Supel Guard LC-18-DB, 2 cm                  |
| <b>Retention Time, min</b>      | 9.01                                        |
| <b>Sample preparation</b>       | 2 mg/1 ml 100% Acetonitrile/Water           |
| <b>Injection volume, µl</b>     | 5                                           |
| <b>Method /Detection at, nm</b> | <b>Gradient</b>                             |
|                                 | 30-80% B                                    |
|                                 | A = 99.9% Water, 0.1% TFA                   |
| <b>Boc / 210</b>                | B = 95% Acetonitrile, 4.9% Water, 0.1% TFA  |
|                                 | 30 min, flow rate = 1.0 ml / min            |