

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

| | |
|--------------------------|--|
| Catalogue Number | 00857 |
| Lot Number | 000424-180108-30102 |
| Product | Boc-D-alanine Boc-D-Ala-OH |
| CAS Number | 7764-95-6 |
| Molecular Formula | C ₈ H ₁₅ NO ₄ |
| Molecular Weight | 189.2 |

| | |
|------------------------------------|---|
| Appearance | White powder |
| Solubility | Clear solution (0.3 g in 2 mL DMF) |
| Melting Point | 81.2 - 81.6 °C |
| Water Content (Karl Fisher) | 1.26% |
| Optical Rotation | [α] ²⁰ _D = 25.4 ° (C=2 in AcOH) |
| Infrared Spectrum | Conforms to structure |
| Analysis by Mass Spectra | Conforms to standard |
| Loss on Drying | 0.96% (40 °C, 2h) |
| ¹H NMR | Conforms to structure |
| Chiral HPLC | 100% (ee) |
| L-Enantiomer | Not detected |
| Purity by HPLC | 99.60% |
| Purity by TLC | > 98% |
| Storage | Store at 0 - 8 °C |

Certificate of Analysis

Catalog Number: 00857

Lot Number: 000424-180108-30102

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