

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 00774 |
| Lot Number | 000424-150320-31001 |
| Product | Boc-L-leucine hydrate Boc-L-Leu-OH•H ₂ O (S)-Boc-2-amino-4-methylpentanoic acid hydrate |
| CAS Number | 200936-87-4 |
| Molecular Formula | C ₁₁ H ₂₁ NO ₄ •H ₂ O |
| Molecular Weight | 249.31 |

| | |
|------------------------------------|--|
| Appearance | White powder |
| Solubility | Clear solution (0.3g in 2mL DMF) |
| Melting Point | 82.3-85.8 °C |
| Water Content (Karl Fisher) | 7.325% |
| Optical Rotation | [α] _D ²⁰ = -25.1° (C=2 in AcOH) |
| Infrared Spectrum | Conforms to structure |
| Analysis by Mass Spectra | Conforms to standard |
| Loss on Drying | 0.33% |
| ¹H NMR | Conforms to structure |
| Purity by HPLC | 99.94% |
| Purity by TLC | > 98% |
| Storage | Store at 0-8 °C |
| 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