

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01322
Product	Boc-L-alanine

Lot Number	000424-170810-30101 Boc-L-Ala-OH
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CAS Number	15761-38-3
Molecular Formula	C ₈ H ₁₅ NO ₄

Molecular Weight	189.2
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2ml AcOH)
Melting Point	80.6 - 81.9 °C
Elemental Analysis (Found)	< 5.0% (C, H, N)
Water Content (Karl Fisher)	0.378%
Optical Rotation	[α] _D ²⁰ = - 25.2° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.25% (40°C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.96% (ee)
D-Enantiomer	0.0362%
Purity by HPLC	99.15%
Purity by TLC	> 98%
Storage	Store at 0-8 °C

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Lot Number: 000424-170810-30101

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager