

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	03952
Lot Number	000424-150115-20311
Product	Boc-D-homophenylalanine

Boc-D-HomoPhe-OH

(R)-2-(Boc-amino)-4-phenylbutyric acid

CAS Number	82732-07-8
Molecular Formula	C ₁₅ H ₂₁ NO ₄
Molecular Weight	279.33

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	75.6-76.7 °C
Water Content (Karl Fisher)	0.496%
Optical Rotation	[α] _D ²⁰ = -5.2° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.71% (35 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.45%
Storage	Store at 0-8 °C

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Lot Number: 000424-150115-20311

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