

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	12431
Product	D-Serine benzyl ester hydrochloride
Lot Number	000424-170204-16217 D-Ser-OBzl•HCl D-β-Hydroxyalanine benzyl ester hydrochloride
CAS Number	151651-44-4
Molecular Formula	C ₁₀ H ₁₃ NO ₃ •HCl
Molecular Weight	231.72

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL H ₂ O)
Melting Point	170.7-171.3 °C
Water Content (Karl Fisher)	0.118%
Optical Rotation	[α] _D ²⁰ = +11.6° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.22% (80 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.56%
Storage	Store at 0-8 °C

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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