Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	06691
Lot Number	000424-220316-16235
Product	L-Serine ethyl ester hydrochloride
CAS Number	L-Ser-OEt•HCl 26348-61-8
Molecular Formula	$C_5H_{11}O_3N \cdot HCl$
Molecular Weight	169.62
Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL water)
Melting Point	128.5 - 129.4 °C
Water Content (Karl Fisher)	0.23%
Optical Rotation	$[a]^{20}_{D} = -4 \circ (C=2 \text{ in water})$
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (50 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	99.37%
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

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Bala Kumar Quality Control Manager