

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	12007
Product	L-Cysteine methyl ester hydrochloride
Lot Number	000424-221018-131021
	L-Cys-OMe•HCl
CAS Number	18598-63-5
Molecular Formula	C ₄ H ₉ NO ₂ S•HCl
Molecular Weight	171.68

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL MeOH)
Melting Point	139.6 - 141.6 °C
Elemental Analysis (Found)	C, H and N : < 5%
Water Content (Karl Fisher)	5%
Optical Rotation	[α] _D ²⁰ = -2.4 ° (C=10 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.25% (60 °C, 2 h)
¹H NMR	Conforms to structure
Purity by HPLC	98.17%
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