

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 | 10860 |
| Lot Number | 002058-2015-09-02 |
| Product | L-Cystine bis(methyl ester) dihydrochloride (H-L-Cys-OMe) ₂ •2HCl (Disulfide bond) Dimethyl L-cystinate dihydrochloride |
| CAS Number | 32854-09-4 |
| Molecular Formula | C ₈ H ₁₆ N ₂ O ₄ S ₂ •2HCl |
| Molecular Weight | 341.28 |

| | |
|---------------------------|--|
| Appearance | White powder |
| Optical Rotation | [α] _{25D} = - 54.8° (C=1 in MeOH) |
| ¹³C NMR | Conforms to structure |
| ¹H NMR | Conforms to structure |
| Purity by TLC | > 98% |
| 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