

## Analytical Data Sheet

Lot number **1065909**  
not for drug use

Catalog number **E-2380.1000**  
Product number **4011703.1000**  
Product **(H- Cys- NH<sub>2</sub>)<sub>2</sub> · 2 HCl  
(Disulfide bond)**  
Molecular formula **C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub> · 2 HCl**  
Relative molecular mass **311.26**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 % in H <sub>2</sub> O)
Identification (TLC)	complies with authentic material
Melting point	237 °C (decomposition)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	68% (Nth 23.51 %, Nfd 15.77 %)
Chloride content (titration)	20.3%
General comment	the product contains H <sub>2</sub> O

Latest update: May 26, 2016

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