



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

| | |
|-------------------|---|
| Catalogue Number | BIO-133 |
| Product | L-Cystine dihydrochloride |
| Lot Number | 000985-031408256 (H-L-Cys-OH) ₂ •2HCl |
| CAS Number | 30925-07-6 |
| Molecular Formula | C ₆ H ₁₂ N ₂ O ₄ S ₂ •2HCl |
| Molecular Weight | 313.2 |

| | |
|-------------------------|---|
| Appearance | White to slightly yellow crystalline powder |
| Solubility | Clear and complete in 20 minutes (70 mg/L of deionized water) |
| Heavy Metals | < 20 ppm |
| Anion | Chloride (Cl ⁻): 22.8% |
| Optical Rotation | -218.5° (C=2 in 1N HCl, 25 °C) |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | 0.0% (over silica gel for 3 hours) |
| Endotoxin Test | < 0.10 EU/mL |
| Residue On Ignition | < 0.1% |
| Assay (anhydrous basis) | 100.5% |
| Storage | Store at RT |

Prepared by:
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