



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-133
Product	L-Cystine dihydrochloride
Lot Number	002547-6405-212
	(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 crystalline powder
Clarity & Color	Clear and colorless solution
Heavy Metals	< 10 ppm (as Pb)
Anion	Sulfate : < 0.03%
Cation	Ammonium : < 0.03%
	Iron : < 30 ppm
	Arsenic : < 2 ppm
Optical Rotation	[α] _D ²⁰ = -169 °
Infrared Spectrum	Conforms to structure
Transmission	98%
Loss on Drying	0.03%
Related Substances	< 0.4% (TLC)
Residue On Ignition	0.01%
Assay by titration	99.3%
Grade	Non-animal source
Storage	Store at RT

Prepared by:
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