



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1080
Product	D-Cysteine hydrochloride
Lot Number	20080104
	D-Cys-OH•HCl
CAS Number	32443-99-5
Molecular Formula	C ₃ H ₇ NO ₂ S•HCl
Molecular Weight	157.63

Appearance	White crystalline powder
Anion	Sulfate (SO ₄): < 0.03%
Cation	Iron (Fe): ≤ 0.002%
Optical Rotation	[α] _D ²⁰ : -6.40° (c=8 in 1N HCl)
Infrared Spectrum	Conforms to structure
Loss on Drying	10.00%
Other Amino Acids	Not Detected
Assay	99.80%
Storage	Store at RT