

**INDOFINE Chemical Company, Inc.**

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**SPECIFICATON SHEET****04-1081 L-CYSTEINE HYDROCHLORIDE MONOHYDRATE**

ITEMS	SPECIFICATION
Description	White crystals or Crystalline powder
Assay	98.5%~101.5%
Specific optical rotation $[\alpha]_{D20}^{\circ}$	+ 5.7° ~ +6.8°
Loss on Drying	8%~12%
Residue on ignition	$\cong$ 0.4%
Heavy metals(Pb)	$\cong$ 0.0015%
Iron (as Fe)	$\cong$ 0.003%
Sulphate(as SO <sub>4</sub> )	$\cong$ 0.03%
Chloride	18.98%-20.8%
Arsenic(As <sub>2</sub> O <sub>3</sub> )	0.0001%
Other amino acids	Chromatographically not detectable

Storage: store in cool & dry place, keep away from strong light and heat