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Specification Sheet

Product Name: **L-Cysteine hydrochloride monohydrate**
Specifications & Purity: from non-animal source, cell culture tested, meets EP, USP
SKU #: **C118575**

Parameter	Limit Values
Ignition Residue	0-0.1 (%)
Purity(titration with AgNO ₃)(dry basis)	98.5-101 (%)
Sulfate(SO ₄ ²⁻)	0-0.02 (%)
Endotoxin Assay	0-1 (EU/mg)
Loss on drying	8.5-12 (%)
Iron(Fe)	0-10 (ppm)
Specific Rotation [α] ₂₀ /D(c=8 in 1 M HCl)	6.1-7.8 (°)
Ammonia (NH ₄)	0-0.02 (%)
PH(1% in Water)	1.5-2
Heavy metal (as Pb)	0-10 (ppm)
Chloride (Cl ⁻)	19.89-20.29 (%)
Appearance (C118575)	White Crystals, Powder or Crystalline Solid
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Origin	non-animal source
Residual solvents	complies
Solubility in H ₂ O , Colorless Clear 100 mg/ml	pass

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