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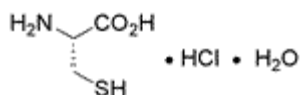
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	31108
Product	L-Cysteine hydrochloride monohydrate from non-animal source L-Cys-OH•HCl•H ₂ O
CAS Number	7048-04-6
Molecular Formula	C ₃ H ₇ NO ₂ S•HCl•H ₂ O
Molecular Weight	175.63
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Appearance	White crystals or crystalline powder
Heavy Metals	≤ 10 ppm (as Pb)
Anion	Chloride (Cl ⁻): 19.89 to 20.29% Sulfate (SO ₄ ²⁻): ≤ 0.020%
Cation	Ammonium (NH ₄ ⁺): ≤ 0.020% Iron (Fe): ≤ 10 ppm Arsenic (As ₂ O ₃): ≤ 1 ppm
pH	1.5 - 2.0
Optical Rotation	[α] _D ²⁰ = +5.5 to +7.0°
Infrared Spectrum	Conforms to structure
Transmission	≥ 99.0%
Loss on Drying	8.5 to 12%
Other Amino Acids	Not detectable
Residue On Ignition	≤ 0.10%
Assay by titration	≥ 99% (anhydrous basis)
Storage	Store at RT

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For Laboratory Use Only