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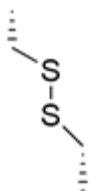
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	36927
Product	L-Cystine, non animal origin (-)-3,3'-Dithiobis(2-aminopropionic acid) (H-L-Cys-OH) ₂
CAS Number	56-89-3
Molecular Formula	C ₆ H ₁₂ N ₂ O ₄ S ₂
Molecular Weight	240.3
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Appearance	White crystalline powder
Solubility	Practically insoluble in water and in ethanol (99.5%). Dissolves in 1 mol/L hydrochloric acid
Elemental Analysis (Theory)	Nitrogen (N) : 26.60 ± 0.1%
Heavy Metals	≤ 10 ppm (as Pb)
Anion	Chloride (Cl) : ≤ 0.020% Sulfate (SO ₄) : ≤ 0.020%
Cation	Ammonium (NH ₄) : ≤ 0.02% Iron (Fe) : ≤ 5 ppm Arsenic (As ₂ O ₃) : ≤ 1 ppm
pH	5.0 - 6.5
Optical Rotation	[α] ²⁰ _D = -218 to -224 °
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.20%
Endotoxin Test	≤ 6.0 EU/g
Related Substances	Conforms
Sulfated Ash	≤ 0.10%
Assay	98.5 - 101.0%
Grade	USP, EP, JP
Storage	Store at RT
Additional Information	State of solution : ≥ 98%, Clear and colorless solution

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For Laboratory Use Only