

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00088
Lot Number	001192-201124
Product	L-Cystine (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 crystals or crystalline powder
Heavy Metals	< 10 ppm (Pb)
Anion	Chloride (Cl ⁻) : < 0.020% Sulfate (SO ₄ ²⁻) : < 0.020%
Cation	Ammonium (NH ₄) : < 0.020% Iron (Fe) : < 10 ppm Arsenic (As203) : < 1 ppm
pH	6
Optical Rotation	[α] _D ²⁰ = -220 °
Loss on Drying	0.12%
Other Amino Acids	Chromatographically not detectable
Residue On Ignition	0.07% (sulfated)
Assay by titration	99.6% (anhydrous basis)
Storage	Store at RT

Remarks See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager