

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	96100
<b>Product</b>	<b>L-Cystine</b> (H-L-Cys-OH) <sub>2</sub> (-)-3,3'-Dithiobis(2-aminopropionic acid)
<b>CAS Number</b>	56-89-3
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>
<b>Molecular Weight</b>	240.3

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<b>Appearance</b>	White crystals or crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride: ≤ 0.020% Sulfate : ≤ 0.020%
<b>Cation</b>	Ammonium : ≤ 0.020% Iron : ≤ 20 ppm Arsenic : ≤ 1 ppm
<b>pH</b>	5.0 - 6.5
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -215 to -225°
<b>Loss on Drying</b>	≤ 0.20%
<b>Other Amino Acids</b>	Not detectable
<b>Residue On Ignition</b>	≤ 0.10% (Sulfated)
<b>Assay by titration</b>	98 - 100%
<b>Grade</b>	USP
<b>Storage</b>	Store at RT

**For Laboratory Use Only**