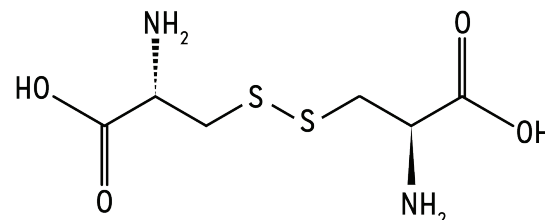


Product Specification

Product Name	L-Cystine
Compendia	EP
CAS #	56-89-3
Formula	$C_6H_{12}N_2O_4S_2$
Molecular Weight	240.3
Description	White crystals or crystalline powder
Solubility	Practically insoluble in water and in ethanol (99.5). Dissolves in 1 mol/L hydrochloric acid.
Identification	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
Specific Rotation @ 20°C	-218 to -224°
State of Solution	Clear and colorless; Not less than 98.0%
Chloride (Cl)	Not more than 0.020%
Ammonium (NH₄)	Not more than 0.02%
Sulfate (SO₄)	Not more than 0.020%
Iron (Fe)	Not more than 5ppm
Heavy Metals (Pb)	Not more than 10ppm
Arsenic (As₂O₃)	Not more than 1ppm
Related Substances	Conforms
Loss on Drying	Not more than 0.20%
Residue on ignition (Sulfated)	Not more than 0.10%
Assay	98.5 to 101.0%
pH	5.0 to 6.5
Endotoxin	Less than 6.0EU/g