

BIOSPECTRA

100 Majestic Way, Bangor, PA 18013 / www.biospectra.us

L-CYSTINE diHCl SPECIFICATION SHEET

BIO PHARMA GRADE / CY4250

$C_6H_{12}N_2O_4S_2 \cdot 2HCl$ ^ F.W. 313.22 g/mol. ^ CAS# 30925-07-6

ANALYSIS	SPECIFICATIONS
Appearance and Color	White to Slightly Yellow Crystalline Powder
Assay (Dried Basis)	98.0% - 102.0%
Bioburden	50 CFU/g max.
Chloride	22.2% - 23.5%
Endotoxin (1% soln.)	<0.02 EU/mg
Heavy Metals (Pb)	<10 ppm
Identification	Passes Test
Loss on Drying @ 105°C	1.0% max.
pH (0.1% soln.)	Report
Residue on Ignition	0.1% max.
Specific Rotation (Free Basis) @ 20°C	-225.0 to -210.0
Solubility	Passes Test