

Product: L-Cystine DiHydrochloride
Catalog Number: 21495

Formula: $C_6H_{12}N_2O_4S_2 \cdot 2HCl$
Formula Weight: 313.23
CAS Number: 30925-07-6

SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance	white to slightly yellow crystalline powder
Assay (by titration, on dried basis, 105°C)	98.0% to 102.0%
Identification (by IR)	matches reference
Loss On Drying (@ 105°C)	NMT 1.0%
Loss On Drying (over Silica Gel, 3 hours)	NMT 1.0%
pH (0.1% solution in H ₂ O @ 25°C)	record value
Residue On Ignition	NMT 0.1%
Solubility (100mg/L in deionized H ₂ O)	clear and complete
Specific Rotation (C=2, 1N HCl, 20°C, dried @ 105°C)	-225° to -210°
Heavy Metals (as Pb)	NMT 20 ppm
Chloride (Cl)	22.2% to 23.5%
Bioburden (to be tested by customer)	NMT 100 CFU/g
Endotoxin (1.0% solution in H ₂ O)	NMT 0.04 EU/mg

Additional Information

Storage Conditions 15°C to 30°C
 Manufactured Date
 Material is of non-animal, non-human origin.