

**Product:** L-Cystine Disodium Salt Monohydrate, Ultra Biopure  
**Catalog Number:** C7125

**Formula:**  $C_6H_{10}N_2O_4S_2Na_2 \cdot H_2O$   
**Formula Weight:** 302.30  
**CAS Number:** 199329-53-8

## SPECIFICATION

Test	Specification
Appearance .....	White to off white powder.....
Assay (by titration, on dried basis) .....	NLT 98.0% .....
Solubility (1% solution in water).....	Complete, clear, colorless.....
Identification (by IR).....	Conforms to structure .....
Loss on Drying (3 hours @ 110°C) .....	NMT 6.6% .....
Water (by KF) .....	NMT 8.0% .....
pH (1% solution in water at 25°C).....	9.5 – 11.0 .....
Specific Rotation (anhydrous basis, C=2, 1NHCl).....	-168.5° to -178.9° .....
Heavy Metals (as Pb) .....	NMT 20 ppm .....
Endotoxin (0.1% solution in H <sub>2</sub> O) .....	NMT 0.1 EU/mL .....
Bioburden .....	NMT 100 CFU/g.....

### Additional Information

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