

**Product:** L-Cystine Disodium Salt, Monohydrate  
**Catalog Number:** 21700

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

## SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance .....	white to off-white powder
Assay (by titration) .....	NLT 98.0%
Identification (IR) .....	consistent with structure
Loss on Drying (105°C for 3 hours) .....	NMT 6.5%
pH (1% solution in H <sub>2</sub> O) .....	9.5 to 11.0
Solubility (1% solution in H <sub>2</sub> O) .....	complete and clear
Specific Rotation (anhydrous basis, C=2, 1N HCl) .....	-168.5° to -178.9°
Water (By KFT) .....	NMT 8.0%
Heavy Metals (as Pb) .....	NMT 20 ppm
Endotoxin .....	NMT 0.06 EU/mL

### Additional Information

Material Source ..... synthetic material  
Storage Conditions ..... 15°C to 30°C