

Specification Sheet

Product Name: **L-Cystine**
Specifications & Purity: **99%**
SKU #: **C108225**

Parameter	Limit Values
Carbon by Elemental Analysis	29.4-30.6 (%)
Purity(HPLC)	98-100 (%)
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in } 1\text{mol/L HCl})$	-230--215 (°)
Nitrogen by Elemental Analysis	11.4-11.9 (%)
Sulfate Ash	0-0.1 (%)
Heavy metal (as Pb)	0-10 (ppm)
Loss on drying(105°C, 3h)	0-0.5 (%)
Appearance (C108225)	White to Off-White Powder
Infrared spectrum	Conforms to Structure
Solubility in 1 M HCl , Colorless to Light Yellow,Clear,50 mg/ml	pass