

## Specification Sheet

Product Name: **L-Cystine**  
Specifications & Purity: analytical standard ,  $\geq 99.5\%$   
SKU # **C108226**

Parameter	Limit Values
Loss on drying(105°C, 3h)	0-0.5 (%)
Heavy metal (as Pb)	0-10 (ppm)
Carbon by Elemental Analysis	29.4-30.6 (%)
Purity(HPLC)	99.5-100 (%)
Nitrogen by Elemental Analysis	11.4-11.9 (%)
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in } 1\text{mol/L HCl})$	-230--215 (°)
Sulfate Ash	0-0.1 (%)
Appearance (C108226)	White to Off-White Powder
Infrared spectrum	Conforms to Structure
Solubility in 1 M HCl , Colorless to Light Yellow,Clear,50 mg/ml	pass