

Specification Sheet

Product Name: **L-Cysteine**
Specifications & Purity: $\geq 98\%$, from non-animal source, for cell culture
SKU #: **C108238**

Parameter	Limit Values
Sulfate(SO ₄ ²⁻)	0-0.03 (%)
(As)Arsenic	0-1 (ppm)
Assay	98-100 (%)
Iron(Fe)	0-10 (ppm)
Ammonia (NH ₄)	0-0.02 (%)
Heavy metal (as Pb)	0-10 (ppm)
Chloride (Cl ⁻)	0-0.04 (%)
Specific Rotation $[\alpha]_{20}^D(c=8 \text{ in } 1 \text{ M HCl})$	8.3-9.5 (°)
Endotoxin Assay	0-1 (EU/mg)
Appearance (C108238)	White Powder or Crystals
Cell Culture Test	pass
Cell Line test	Attached Cell Line
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , Clear Colorless , c = 25mg/ml, H ₂ O	pass