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## Specification Sheet

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

| Parameter  | Limit Values              |
|--|---------------------------|
| Carbon by Elemental Analysis   | 29.4-30.6 (%)             |
| Purity(HPLC)   | 99-100 (%)                |
| 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                      |

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