

## Specification Sheet

Product Name: **Sucrose**  
Specifications & Purity: for molecular biology,  $\geq 99.5\%$ (HPLC)  
SKU #: **S112234**

Parameter	Limit Values
Ignition Residue (as sulfate)	0-0.01 (%)
Iron(Fe)	0-5 (ppm)
Free acid	0-0.0008 (mg/g)
Insoluble matter	0-0.005 (%)
Invert sugar	0-0.1 (%)
Purity(HPLC)	99.5-100 (%)
Heavy metal (as Pb)	0-5 (ppm)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-50 (ppm)
Melting point	160-187 (°C)
Loss on drying(105°C)	0-0.03 (%)
Appearance (S112234)	White Powder or Crystals
DNase, RNase and Protease	None Detected
Infrared spectrum	Conforms to Structure
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	66.3-67 (°)