

## CM 23201 – L – CYSTINE 99%+CRYSTALLINE (FREE BASE)

REF NO: TBL/QA/SS/LC/1140	<b>STANDARDSPECIFICATION FOR L – CYSTINE 99%+ CRYSTALLINE (FREE BASE)</b>	Rev. No: 03
Issue No: 04		Review Date: 12/11/2024
Issue Date:13/11/2021		Product code: 1140

### PRODUCT PROPERTIES

C.A.S Number	56-89-3
Chemical Formula	$C_6H_{12}N_2O_4S_2$
Formula weight	240.3
Functional Uses	L-Cystine is used as an antioxidant, protecting tissues against radiation and pollution. It finds application in protein synthesis. It is required for utilization of vitamin B6 and is useful in healing burns and wounds.
Standard Packaging	25 gm ,100 gm & 1 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White Crystalline Powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Moisture	NMT – 0.1%
Sulphate (SO <sub>4</sub> )	NMT – 0.01%
Iron (Fe)	NMT – 0.0005%
Lead (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%

**NOTE:**Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

