



L-CYSTINE

CAS No: 56-89-3

Chemical Name	L(-)-3,3'-Dithiobis(2-aminopropanoic acid)
FORMULA	C ₆ H ₁₂ N ₂ O ₄ S ₂
DESCRIPTION	White crystal or crystalline powder
ODOR	Odorless
GRADE	Food grade
CATEGORY	Raw material

SPECIFICATION

ITEMS	STANDARD
Specific rotation [α] _{D20} ^o	-215 °- -225 °
State of solution (Transmittance)	≥ 98.0%
Chloride(CL)	≤ 0.020%
Ammonium(NH ₄)	≤ 0.02%
Sulfate(SO ₄)	≤ 0.020%
Iron(Fe)	≤ 20PPm
Lead (Pb)	≤ 10PPm
Arsenic(As ₂ O ₃)	≤ 1PPm
Other amino acids	Conforms
Loss on drying	≤ 0.20%
Residue on ignition (Sulfated)	≤ 0.10%
Assay	98.5-101.0%
PH	PH
<i>Salmonella</i>	NEGATIVE

U.S.A. Headquarters: Ph: (248) 816-6881 • Fx: (248) 250-5588

Global Strategic Connections, LLC • 2125 Butterfield Drive, Suite 218 • Troy, MI 48084

info@gsc-llc.com • www.gsc-llc.com