



## L-CYSTEINE HCL MONO

CAS No: 7048-04-6

<b>Chemical Name</b>	L-Cysteine hydrochloride monoh ydrate
<b>FORMULA</b>	$C_3H_7NO_2S.HCl.H_2O$
<b>DESCRIPTION</b>	White crystal or crystalline powder
<b>ODOR</b>	Odorless
<b>GRADE</b>	Food grade
<b>CATEGORY</b>	Raw material

### SPECIFICATION

ITEMS	STANDARD
Specific rotation	+5.5 °- +7.0 °
State of solution (Transmittance)	≥ 98.0% clear and colorless
Chloride(CL)	19.89-20.29%
Ammonium(NH4)	≤ 0.002%
Sulfate(SO4)	≤ 0.020%
Iron(Fe)	≤ 10ppm
Lead (Pb)	≤ 10PPm
Arsenic(As2O3)	≤ 1PPm
Other amino acids	Not detected
Loss on drying	8.5-12 %
Residue on ignition (Sulfated)	≤ 0.1 0 %
Assay	99.0-100.5 %
PH	1.5-2.0

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