

PRODUCT DATA SHEET

L-Cysteine Monohydrochloride FCC

L-2-Amino-3-mercaptopropanoic Acid Monohydrochloride

CAS: monohydrate [7048-04-6]

Formula wt. 175.64

$C_3H_7NO_2S.HCl.H_2O$

CAS: anhydrous [52-89-1]

Formula wt. 157.62

Cysteine Hydrochloride contains not less than 98.5% and not more than 101.5% of $C_3H_7NO_2S.HCl$, as a L-Cysteine hydrochloride, calculated on the dried basis.

SPECIFICATIONS

Appearance	:	A white crystalline powder having a characteristic odor and acidic taste. It is freely soluble in water and in alcohol.
Identification	:	Conforms
Heavy metals (as Pb)	:	Not more than 0.002%
Lead	:	Not more than 10 mg/kg
Loss on drying	:	Not less than 8.0% and not more than 12.0%
Residue on ignition	:	Not more than 0.1%
Specific rotation $[a]^{20}_D$:	Between +5.0° and +8.0°
Specific rotation $[a]^{25}_D$:	Between +4.9° and +7.9°