



CERTIFICATE OF ANALYSIS

Product	L-Cysteine
Grade	High Purity
Formula	C3H7NO2S
MW	121.16
CAS#	52-90-4
Product Code	CB0132
Lot No	

Test Items	Specifications	Results
Appearance	White Powder	
Identification	Infrared absorption spectrum	
α 20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.	+5.5°~+7.0°	
α 25°C/D; 8 %, 6 M HCl	+5.7°~+6.8°	
Assay	98.0% ~ 101.0%	
Heavy metals (as Pb)	≤10ppm	
Chloride (as Cl)	≤0.04%	
Arsenic (as As)	≤1ppm	
Loss on drying	≤0.50%	
Residue on ignition	≤0.10%	
pH	4.5 ~ 5.5	
Iron	≤10ppm	
Sulfate (as SO ₄)	≤0.03%	
Ammonium (as NH ₄)	≤0.02%	

Storage: R.T.