



## CERTIFICATE OF ANALYSIS

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Product	L-Cystine
Grade	USP Grade
Product Code	CB0088
Formula	$C_6H_{12}N_2O_4S_2$
MW	240.30
CAS#	56-89-3
Lot#	

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Testing Items	Specifications	Results
Appearance	A white to off-white powder	
Specific rotation(On dried basis)	-215° ~ -225°	
pH	5.5~6.5	
Loss on drying	≤0.2%	
Heavy Metals (as Pb)	≤0.001%	
Transmittance	≥98%	
Ammonium (NH <sub>4</sub> )	≤0.02%	
Chloride	≤0.020%	
Iron(Fe)	≤0.002%	
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	≤0.020%	
Arsenic(As <sub>2</sub> O <sub>3</sub> )	≤0.0001%	
Residue on ignition	≤0.10%	
Assay	98.5% - 101.0%	
Other amino acid	None	

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Storage: Store at room temperature. Protect from moisture