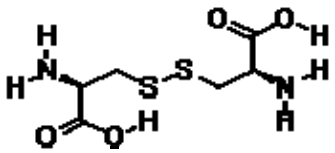
HANGZHOU DINGYAN CHEM CO.,LTD
TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470
E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC091609121

Product name	L-Cystine
CAS Number	56-89-3
Molecule Structure	
Molecule Formula	$C_3H_7NO_2S_3$
Packing	25 kg net/fiber drum
Batch number	20160815
Manufacture Date	2016-08-15
Testing Date	2016-08-15

Items	Standard	Result
Appearance	White or off-white crystalline powder	Conform
Assay	98.5 % ～ 101.0 %	99.69 %
Specific optical rotation$[a]^{20}_D$	-215° ～ -225°	-219.37°
Chloride (Cl)	≤ 0.020 %	＜0.02 %
Loss on drying	≤ 0.20 %	0.15 %
Residue on ignition (sulfated)	≤ 0.10 %	0.05 %
Heavy metal(Pb)	≤ 10ppm	＜10ppm
Sulfate(SO_4^{2-})	≤ 0.020 %	＜0.02 %
Arsenic(As_2O_3)	≤ 1ppm	＜1ppm
Iron(Fe)	≤ 10ppm	＜10ppm
Other amino acid	Chromatographically not detectable	Conform
Conclusion: This product meets the standard of USP36		

Hangzhou Dingyan Chem Co.,Ltd.
Quality Control

QUALITY CONTROL: CHECK:姚仙娟 INSPECTOR：刘清风

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jianggan Area,Hangzhou,China