


CERTIFICATE OF ANALYSIS

Product Name:	L-Cystine	Report Date:	Aug 12, 2017
Formula:	C ₆ H ₁₂ N ₂ O ₄ S ₂	Batch No.:	170810
CAS No.:	56-89-3	Manu. Date:	May 10, 2017
Inspection Standard:	FCC10	Exp. Date:	May 09, 2019

RESULTS OF ANALYSIS

Item	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Identification	Infrared absorption spectrum	Conforms
Assay	98.5 to 101.5 %	99.5%
Lead (Pb)	Not more than 3mg/kg	<3mg/kg
Loss on Drying	Not more than 0.2%	0.17%
Residue on ignition(sulfated)	Not more than 0.1%	0.04%
Specific rotation $[\alpha]_D^{20}$	-215 to -225°	-215.7°
Heavy metals (Pb)	Not more than 20ppm	<20ppm
Chloride(Cl)	Not more than 0.8%	<0.8%
Sulfate(SO ₄)	Not more than 0.5%	<0.5%
Mesh Size	100% pass 20 mesh	Conforms
Conclusion:	Conforms to the specifications of FCC10 	

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