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Certificate of Analysis

Catalogue Number	00643
Product	L-Cystine disodium salt monohydrate
Lot Number	000985-21225303
CAS Number	199329-53-8
Molecular Formula	$C_6H_{10}N_2Na_2O_4S_2 \cdot H_2O$
Molecular Weight	302.3

Appearance	White to off-white powder
Solubility	Clear and complete solution (1% in water)
Heavy Metals	< 20 ppm (as Pb)
Water Content (Karl Fisher)	5.7%
pH	10.3
Optical Rotation	$[\alpha]_D^{20} = -176.5^\circ$ (C=2 in 1N HCl, on anhydrous)
Infrared Spectrum	Conforms to structure
Loss on Drying	5% (105 °C, 3h)
Endotoxin Test	0.01 EU/mL
Assay by titration	100.4%
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager