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# Certificate of Analysis

<b>Product</b>	<b>35751 - L-Cystine extrapure CHR, 99% - [56-89-3]</b>
<b>Batch No</b>	<b>6694809</b>
<b>Analysis Date</b>	21-Jan-2024
<b>Date of Manufacture</b>	January 2024
<b>Expiry Date/Re-Test Date</b>	January 2029
<b>Molecular Formula</b>	C6H12N2O4S2
<b>Molecular Weight</b>	240.30

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off white	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless to pale yellow	Colourless
Assay (Iodometric)	min. 99%	99.0%
Specific rotation $[\alpha]$	-215° to -224° (C= 2, N HCl)	- 223.94°
Loss on drying	max. 0.5%	0.15%
Sulphated Ash	max. 0.1%	0.05%
Chloride (Cl)	max. 0.05%	Passes
Sulphate (SO4)	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Homogeneity by TLC	Passes test	Passes

FRM/82/11/4/35751 Rev No. 6 Date 04/10/2023

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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1/1

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