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## Certificate of Analysis

**Product** 38779 - L-Cystine ExiPlus, Multi-Compendial, 99% -  
[56-89-3]  
**Batch No** 2694989  
**Analysis Date** 29-May-2024  
**Date of Manufacture** May 2024  
**Expiry Date/Re-Test Date** May 2029  
**Molecular Formula** C6H12N2O4S2  
**Molecular Weight** 240.30

Test Parameters	Standards	Actual Results
ExiPlus	Meets compendial specs of USP	Passes
Appearance (Colour)	White to off white	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution in 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless to pale yellow	Colourless
Assay (Iodometric)	min. 99%	99.0%
Specific rotation $[\alpha]$ @20°C	-215° to - 225° (C= 2, N HCl)	- 223.94°
Loss on drying	max. 0.2%	0.15%
Chloride (Cl)	max. 0.02%	Passes
Sulphate (SO4)	max. 0.02%	Passes
Iron (Fe)	max. 0.001%	Passes
Identification (IR Spectrum)	Passes	Passes
Residue on ignition	max. 0.1%	0.05%

FRM/82/11/4/38779 Rev No. 1 Date 12/02/2024

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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