



**SISCO  
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## Certificate of Analysis

<b>Product</b>	<b>25961 - L-Cysteine for tissue culture, 99% - [52-90-4]</b>
<b>Batch No</b>	<b>7006276</b>
<b>Analysis Date</b>	29-Jul-2023
<b>Date of Manufacture</b>	July 2023
<b>Expiry Date/Re-Test Date</b>	July 2028
<b>Molecular Formula</b>	C3H7NO2S
<b>Molecular Weight</b>	121.15

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% solution in 2N HCl	Clear	Clear
Solubility (Colour) 10% solution in 2N HCl	Colourless	Colourless
Assay (Iodometric)	min. 99%	99.7%
Specific rotation $[\alpha]$	+6.5° to +8.0° (C=2, 5N HCl)	+6.883°
Loss on drying	max. 0.5%	0.2%
Sulphated Ash	max. 0.1%	0.02%
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.01%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH <sub>4</sub> )	max. 0.01%	Passes
Homogeneity by TLC	Passes test	Passes
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/25961 Rev No. 2 Date 22/07/2023

Prepared by Komal

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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