



**SISCO
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Certificate of Analysis

Product	28525 - DL-Dithiothreitol (DTT) for cell culture, 98% - [3483-12-3]
Batch No	4052123
Analysis Date	10-Jan-2022
Date of Manufacture	January 2022
Expiry Date/Re-Test Date	January 2027
Molecular Formula	C ₄ H ₁₀ O ₂ S ₂
Molecular Weight	154.24

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline hygroscopic powder	Crystalline hygroscopic powder
Solubility (Turbidity) 5% aq. solution	Clear	Clear
Solubility (Colour) 5% aq. solution	Colourless	Colourless
Assay	min. 98%	99.4%
Melting Point	41- 43°C	41°C
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H ₂ O	.	.
@260nm	max. 0.4	0.37
@280nm	max. 0.1	0.1
DNase, RNase, Protease	Not detected	Not detected
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	< 0.05 EU/mg	Passes

FRM/82/11/4/28525 Rev No. 1 Date 11/01/2022

Prepared by Nishant

In compliance with the standard specifications of SRL

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

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