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## Certificate of Analysis

<b>Product</b>	<b>28525 - DL-Dithiothreitol (DTT) for cell culture, 98%, Endotoxin (BET) 1EU/mg - [3483-12-3]</b>
<b>Batch No</b>	<b>7360802</b>
<b>Analysis Date</b>	27-Mar-2024
<b>Date of Manufacture</b>	March 2024
<b>Expiry Date/Re-Test Date</b>	March 2029
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>
<b>Molecular Weight</b>	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 (Iodometric)	min. 98%	99.0%
Melting Point	41- 43°C	42.6°C
Absorbance (A) of 0.1M aq. solution in a 1cm cell v/s H <sub>2</sub> O	.	.
@260nm	max. 0.4	0.352
@280nm	max. 0.1	0.045
DNase, RNase, Protease	Not detected	Not detected
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<1.0 EU/mg	Passes

FRM/82/11/4/28525 Rev No. 2 Date 13/06/2023

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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