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## Certificate of Analysis

|                                 |   |
|---------------------------------|---|
| <b>Product</b>                  | <b>17315 - DL-Dithiothreitol (DTT) for molecular biology,<br/>98% - [3483-12-3]</b> |
| <b>Batch No</b>                 | <b>7996168</b>  |
| <b>Analysis Date</b>            | 24-Mar-2024   |
| <b>Date of Manufacture</b>      | March 2024  |
| <b>Expiry Date/Re-Test Date</b> | March 2029  |
| <b>Molecular Formula</b>        | C4H10O2S2   |
| <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 H2O | .                              |                                |
| @260nm  | max. 0.4                       | 0.352                          |
| @280nm  | max. 0.1                       | 0.045                          |
| DNase, RNase, Protease                                    | Not detected                   | Not detected                   |

FRM/82/11/4/17315 Rev No. 2 Date 13/09/2022

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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1/1

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