

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-15 14:58:06

Date of Next Testing: 2027-09-05 14:58:06

Product Name: **DL-Dithiothreitol(DTT)**

CAS Number: 3483-12-3

Specifications & Purity: Suitable for molecular biology, ≥99%

Lot #: I2504180

SKU #: **D104860**

Version: **0**

Analysis #: **562183**

Storage Temperature: Store at -20°C

| Parameter                                                                                    | Limit Values          | Result                |
|----------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Melting point                                                                                | 41-44 (°C)            | 41.70000 °C           |
| Heavy metal (as Pb)                                                                          | 0-5 (ppm)             | 0.00000 ppm           |
| Purity(Iodometric Titration)                                                                 | 99-101 (%)            | 99.02000 %            |
| Appearance (D104860)                                                                         | White powder          | White powder          |
| DNAse, Exonuclease Detection                                                                 | None Detected         | none detected         |
| proteases                                                                                    | none detected         | none detected         |
| RNAse Detection                                                                              | None Detected         | none detected         |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O | pass                  | Pass                  |
| Infrared spectrum                                                                            | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager