

## Certificate of Analysis

Date of Testing: 2025-04-08 16:08:06

Date of Next Testing: 2029-04-07 16:08:06

Product Name: **DL-Dithiothreitol**

CAS Number: 3483-12-3

Specifications & Purity: for electrophoresis, ≥99%

Lot #: D2501269

SKU #: **D104861**

Version: **1**

Analysis #: **486514**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                     | Limit Values          | Result                |
|-----------------------------------------------|-----------------------|-----------------------|
| Melting point                                 | 41-44 (°C)            | 42.43000 °C           |
| UV Absorbance 280nm                           | 0-0.04                | 0.00                  |
| PH(25 °C, 0.1 M in Water)                     | 4-6.5                 | 5.37                  |
| Sulfate(SO42-)                                | 0-50 (ppm)            | 0.52 ppm              |
| Heavy metal (as Pb)                           | 0-10 (ppm)            | 1.05 ppm              |
| Purity(HPLC)                                  | 99-100 (%)            | 99.83900 %            |
| Appearance (D104861)                          | white powder or solid | white powder or solid |
| Solubility in H2O , 50mg/ml, clear, colorless | pass                  | Pass                  |
| Test for use in reduced SDS-PAGE              | Pass                  | Pass                  |
| Infrared spectrum                             | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager