

## Certificate of Analysis

Date of Testing: 2023-09-19 11:31:58  
Date of Next Testing: 2025-09-08 11:31:58  
Product Name: **DL-Dithiothreitol**  
CAS Number: 3483-12-3  
Specifications & Purity: for molecular biology, ≥99%  
Lot #: L2116393  
SKU #: **D104860**  
**Analysis:** **277954**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(Iodometric Titration)	99-101 (%)	100.97 %
Melting point	41-44 (°C)	43.70000 °C
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Appearance (D104860)	White powder	White powder
DNAse, Exonuclease Detection	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



John Su  
QA & QC Manager