

## Certificate of Analysis

Date of Testing: 2023-06-26 19:04:15  
Date of Next Testing: 2027-06-25 19:04:15  
Product Name: **DL-Dithiothreitol**  
CAS Number: 3483-12-3  
Specifications & Purity: for electrophoresis, ≥99%  
Lot #: F23161076  
SKU #: **D104861**  
**Analysis:** **237635**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	41-44 (°C)	43.85000 °C
UV Absorbance 280nm	0-0.04	0.02
PH(25 °C, 0.1 M in Water)	4-6.5	5.50
Sulfate(SO42-)	0-50 (ppm)	10.30 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.13 ppm
Purity(HPLC)	99-100 (%)	99.61300 %
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