

## Certificate of Analysis

Date of Testing: 2022-06-20 19:44:43  
Date of Next Testing: 2026-06-19 19:44:43  
Product Name: **DL-Dithiothreitol**  
CAS Number: 3483-12-3  
Specifications & Purity: for electrophoresis, ≥99%  
Lot #: F2210453  
SKU #: **D104861**  
**Analysis: 081269**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
UV Absorbance 280nm	0-0.04	0.02
PH(25 °C, 0.1 M in Water)	4-6.5	5.50
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-50 (ppm)	25.00 ppm
Heavy metal (as Pb)	0-10 (ppm)	5.00 ppm
Purity(HPLC)	99-100 (%)	99.01900 %
Melting point	41-44 (°C)	43.99000 °C
Appearance (D104861)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , 50mg/ml, clear, colorless	pass	Pass
Test for use in reduced SDS-PAGE	Pass	Pass



John Su  
QA & QC Manager