

Certificate of Analysis

Date of Testing: 2023-06-26 15:14:05
Date of Next Testing: 2027-06-25 15:14:05
Product Name: **DL-Dithiothreitol**
CAS Number: 3483-12-3
Specifications & Purity: for electrophoresis, ≥99%
Lot #: F23161062
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(SO ₄ ²⁻)	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 H ₂ O , 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