

Certificate of Analysis

Date of Testing: 2022-05-09 17:00:50
Date of Next Testing: 2026-05-08 17:00:50
Product Name: **DL-Dithiothreitol**
CAS Number: 3483-12-3
Specifications & Purity: for electrophoresis, ≥99%
Lot #: G1825224
SKU #: **D104861**
Analysis: **089606**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	41-44 (°C)	43.07000 °C
UV Absorbance 280nm	0-0.04	0.02
PH(25 °C, 0.1 M in Water)	4-6.5	5.40
Sulfate(SO42-)	0-50 (ppm)	45.00 ppm
Heavy metal (as Pb)	0-10 (ppm)	2.70 ppm
Purity(HPLC)	99-100 (%)	99.27300 %
Appearance (D104861)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , 50mg/ml, clear, colorless	pass	Pass
Test for use in reduced SDS-PAGE	Pass	Pass



John Su
QA & QC Manager