

## Certificate of Analysis

Date of Testing: 2024-12-11 14:19:27  
Date of Next Testing: 2028-12-10 14:19:27  
Product Name: **DL-Dithiothreitol**  
CAS Number: 3483-12-3  
Specifications & Purity:  $\geq 99\%$   
Lot #: L2406453  
SKU #: **D104859**  
Version: **0**  
Analysis #: **447953**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Iodometric Titration)	98.5-101.5 (%)	98.56 %
Purity(HPLC)	98-100 (%)	99.40300 %
Melting point	41-45 (°C)	43.29000 °C
Appearance (D104859)	White Solid	White Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless to faint yellow, clear (50 mg/mL, H <sub>2</sub> O)	pass	Pass



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QA & QC Manager