

Certificate of Analysis

Date of Testing: 2024-10-25 14:32:50
Date of Next Testing: 2028-10-24 14:32:50
Product Name: **DL-Dithiothreitol**
CAS Number: 3483-12-3
Specifications & Purity: $\geq 99\%$
Lot #: J2416225
SKU #: **D104859**
Version: **0**
Analysis #: **197328**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Iodometric Titration)	99-103 (%)	99.41%
Purity(HPLC)	98-100 (%)	99.44800%
Melting point	41-45 (°C)	43.98000 °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 ₂ O)	pass	Pass



John Su
QA & QC Manager