

Certificate of Analysis

Product Description: DL-Dithiothreitol, molecular biology reagent

Catalog Number: 194821

Lot: YC10004

Formula : C₄H₁₀O₂S₂

CAS #: 3483-12-3

Physical Description: White Powder

Formula Weight: 154.2

Storage: 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.47% (Iodimetry)
Melting Point	40 - 50°C	42.5 - 43.3°C
FTIR	Conforms to Standard	Conforms to Standard
OD Readings	For Information Only	0.378 (0.1M solution at 260nm) 0.052 (0.1M solution at 280nm)

pH (0.1 M Solution in H₂O): 4.2

Recommended Retest Date (MM/DD/YYYY): 04/18/2025



10/08/2022 - Lily Liu
MP Biomedicals, LLC.
QM

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