

Certificate of Quality

Product Name: DL-Dithiothreitol [DTT]

An excellent reagent for maintaining SH groups in reduced state; quantitatively reduces disulfides. Warning: Harmful, Very Hygroscopic!

Product Code:	A2452	CAS #:	3483-12-3
Grade:	Biotechnology	Formula:	C ₄ H ₁₀ O ₂ S ₂
Appearance:	White, crystalline powder	MW:	154.25
Reassay Date:	2 years after shipping date	Lot#:	See product label
Storage:	Store at 4°C		

TEST	SPECIFICATION	RESULT
Titration (-SH Content)	≥ 99%	Passes
Purity (TLC)	One Spot	Passes
Melting Point	42±2°C	Passes
A280 (1% Solution)	≤ 0.067	Passes
A305 (1% Solution)	≤ 0.05	Passes
A283 (0.02M, Water)	≤ 0.04	Passes
A400&405 (1M, Water)	≤ 0.062	Passes
Moisture (LOD)	≤ 0.5%	Passes
Oxidized DTT	≤ 0.5%	Passes
IR	Passes	Passes
Solubility (10%, Water)	Passes	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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