

SPECIFICATION SHEET

Product Name: DTT, DL-Dithiothreitol**Catalog # DT01-Q29A**

Product Description: Dithiothreitol is a small-molecule reducing agent commonly used in biochemistry to break disulfide bonds in proteins by donating hydrogen atoms, thereby maintaining proteins in their reduced and functional state.

Storage and Stability: Store product in original sealed dark packaging at 2~8°C. Product stored under these conditions should be stable for up to 24 months.

Data for a Sample Lot:

Appearance	: White particles
Molecular weight	: 154.251 kDa
Purity	: (HPLC) assay ≥98.0%
Melting point	: 41-44°C
Solubility (50mg/ml aq.)	: Clear and colorless
Heavy metals	: ppm ≤5
PH (0.1M aq.)	: 4.0-6.5
Ultraviolet absorbance (0.1M aq.) /260nm	: ≤0.4
Ultraviolet absorbance (0.1M aq.) /280nm	: ≤0.1