

TMB 031 – 1, 4-Dithioerythritol (DTE) (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 031	STANDARD SPECIFICATION FOR 1, 4-DITHIOERYTHRITOL (DTE) (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 031

PRODUCT PROPERTIES

C.A.S Number	6892-68-8
Chemical Formula	$C_4H_{10}O_2S_2$
Formula weight	154.25
Functional Uses	It is used in buffers during the isolation and purification of proteins.
Standard Packaging	1 gm & 5 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting point (°C)	82 – 84°C
DNases/RNases	None detected
Proteases/ Phosphatases	None detected
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.