

## Product Specification

Product Name: DTE  
1,4-Dithioerythritol

Item Nr.: 1007                      MW: 154.25 g/mol                      C4H10O2S2  
CAS Nr.: 6892-68-8                      E.C.Nr.:                      EINECS: 229-998-8

Parameter	Methode	Specification	Unit
Appearance	visual	White crystalline powder	
Solubility	25mM in H2O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	FT-IR	Consistent with assigned structure	
Assay	Iodometric titration	>99.0	%
pH	25mM in H2O	5.9-6.7	
Loss on drying		<3.0	%
A260	25mM in H2O	<0.120	
A280	25mM in H2O	<0.040	
Melting point	40°C, 3h, vacuum	82-86	°C
Odor	olfactory	strongly sulfurous	
Oxidized DTE	283nm	<0.5	%

Storage: Keep well closed at 2-8 °C in a dark and dry place. Air oxygen rapidly oxidizes DTE to 4,5-dihydroxy-1,2dithiane. Therefore, store under protective gas atmosphere of argon (Ar) or alternatively nitrogen (N2).

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

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