

# Specification



## DTT Molecular biology grade

**A2948**

<b>Synonym</b>	Cleland's Reagent, 1,4-Dithio-DL-threit(ol)
<b>Solubility (20°C)</b>	1500 g/L (H <sub>2</sub> O)
<b>Melting point</b>	42 - 44°C
<b>Formula</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>
<b>M</b>	154.25 g/mol
<b>CAS-No.:</b>	3483-12-3
<b>HS-No.:</b>	29309099
<b>EC-No.:</b>	222-468-7
<b>Storage:</b>	2-8°C
<b>LGK:</b>	10 - 13
<b>Disposal:</b>	3
<b>R:</b>	22-36/38
	harmful, irritant
<b>WGK:</b>	3*
<b>Attention:</b> Product may form lumps when stored.	
<b>Specification</b>	
<b>DNases/RNases/Proteases</b>	not detectable
<b>Assay (iodometr.)</b>	min. 99.5 %
<b>pH (0.1 M; H<sub>2</sub>O)</b>	4.0 - 6.0 (20°C)
<b>DTT (oxidized)</b>	max. 0.5 %
<b>Water (K.F.)</b>	max. 0.5 %
<b>A (1 cm/0.02 M inH<sub>2</sub>O)</b>	
<b>283 nm</b>	max. 0.05