

**DL-Dithiothretiol (DTT)**

**Specifications**

**CAS-Number:** 3483-12-3  
**Formula:** C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S<sub>2</sub>  
**Formula weight:** 154,25 g/mol  
**Storage** Keep in refrigeration condition +2-8 °C,

Test	Specifications
Description	A white free flowing powder, hygroscopic
Solubility	Freely soluble in methanol and methylene chloride.
Clarity a) In water	5% (w/v) solution in water is clear and colorless
Identification by b) TLC	R <sub>f</sub> value of the sample is comparable with that of the standard
Melting Range	41 ± 3 °C
Related Substance b) UV Spectroscopy	Content of Oxidized DTT (Dihydroxydithiane) NMT 0.4%
Assay (by Iodimetry)	>98%