

## Certificate of Analysis

**Product : 1,4-DiThio-DL-Threitol**

aka DTT

CAS # 3483-12-3

CHEMICAL FORMULA : C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S<sub>2</sub>

**Product Code : CP-B3483D**

**Lot: 2026310-56637**

Density: ~1.04 g/mL

F.W. 154.24

Characteristic	Requirement	Results	Units
Appearance	White crystal, powder	Pass	
Solubility , 10% solution in water	Clear and colorless	Colorless	
Melting point °C	40 - 44 °C	42	°C
Infra-Red Spectrum	Conforms to structure	Conforms	
Loss on Drying	<1.0	<0.5	%
Assay by Titration	98 - 101	>99	%
Purity by Thin Layer Chromatography	One spot	Conforms	
Oxidized DTT	<0.9 %	<0.5	%
Absorbance for 1% solution			
280 nm	< 0.1	0.026	Abs
305 nm	<0.06	0.011	Abs
Absorbance for 0.2M solution			
283 nm	< 0.06	0.04	Abs
Absorbance for 1M solution			
400 nm	<0.05	0.046	Abs
405 nm	<0.05	0.043	Abs
OD 500 to 700 nm	<0.10	0.031	Abs
Storage	store at 0°C to 8°C		
QC Release Date		2026-02-11	
Max. Shelf life if refrigerated as powder		3 years	

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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