

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00127
Lot Number	000310-49364
Product	1,4-Dithio-DL-threitol DTT Cleland's reagent
CAS Number	3483-12-3, 27565-41-9
Molecular Formula	C ₄ H ₁₀ O ₂ S ₂
Molecular Weight	154.24

Appearance	White crystals
Solubility	Clear and colorless solution (10% solution in Water)
Melting Point	41-42 °C
Infrared Spectrum	Conforms to structure
Loss on Drying	0.08%
Assay by titration	99.6%
Purity by TLC	One spot
Storage	Store at 0-8 °C under Nitrogen.
Additional Information	Oxidized DTT: 0.43% UV Absorbance: 1% Solution: A ₂₈₀ : 0.065 A ₃₀₅ : 0.034 0.02 M Solution: A ₂₈₃ : 0.024 1M Neutral Solution: A ₄₀₀ : 0.011 A ₄₀₅ : 0.010 OD 700-500 nm: 0.005

Certificate of Analysis

Catalog Number: 00127

Lot Number: 000310-49364

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager