



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalogue Number MB1015
Lot Number 000310-49364
Product **1,4-Dithio-DL-threitol**

DTT

Cleland's reagent

CAS Number 3483-12-3, 27565-41-9
Molecular Formula $C_4H_{10}O_2S_2$
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:
A₂₈₀: 0.065
A₃₀₅: 0.034
0.02 M Solution:
A₂₈₃: 0.024
1M Neutral Solution:
A₄₀₀: 0.011
A₄₀₅: 0.010
OD 700-500 nm: 0.005

Prepared by:

Ramesh Mandadi

Ramesh Mandadi

Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP