



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	MB1015
Product	1,4-Dithio-DL-threitol
Lot Number	000310-51957 DTT
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	42 °C
Infrared Spectrum	Conforms to structure
UV Ratios	1% Solution : A ₂₈₀ : 0.014 A ₃₀₅ : 0.011 0.02 M Solution : A ₂₈₃ : 0.006 1M Neutral Solution : A ₄₀₀ : 0.007 A ₄₀₅ : 0.006 OD 700-500 nm : 0.002
Loss on Drying	0.05%
Assay by titration	99.9%
Purity by TLC	One spot
Storage	Store at 0 - 8 °C
Additional Information	Oxidized DTT : < 0.01%

Prepared by:

Ramesh Mandadi

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Director of Operations

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VP