



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number MB1015
Product 1,4-Dithio-DL-threitol

Lot Number 000310-57245
DTT

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 (10% in water)
Melting Point 40 - 44 °C
Infrared Spectrum Conforms to structure
UV Ratios
1% Solution :
A280 : 0.043
A305 : 0.019
0.02 M Solution :
A283 : < 0.040
1 M Neutral solution :
A400 : 0.033
A405 : 0.031
OD 700 - 500 nm : 0.019
Loss on Drying < 0.5%
Assay by titration > 99% (iodometric)
Purity by TLC One spot
Storage Store at 0 - 8 °C
Additional Information Oxidized DTT : < 0.5%

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