



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-29089
Lot Number: SAMPLE
Product Name: DTT
CAS Number: 27565-41-9
Molecular Formula: $C_4H_{10}O_2S_2$
Molecular Weight: 154.25

Test	Result
Appearance	White crystals
Identification (Infrared Spectrum)	Consistent with structure
Purity (Titration)	99.9%
Purity (TLC)	One spot
Melting Point	42 °C
Oxidized Product	Oxidized DTT: < 0.01%
Solubility	Clear and colorless solution (10% solution in water)
Absorbance	A280: 0.014 (1% Solution) A305: 0.01 (1% Solution) A283: 0.006 (0.02 M Solution) A400: 0.007 (1M Neutral Solution) A405: 0.006 (1M Neutral Solution) OD 700 - 500 nm: 0.002
Loss on Drying	0.05%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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