



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	MB1015
<b>Lot Number</b>	000684-123012
<b>Product</b>	<b>1,4-Dithio-DL-threitol</b>
	DTT
	Cleland's reagent
<b>CAS Number</b>	3483-12-3
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>
<b>Molecular Weight</b>	154.24
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<b>Appearance</b>	Free flowing white hygroscopic powder
<b>Clarity &amp; Color</b>	Clear and colorless solution (5% w/v in water)
<b>Solubility</b>	Freely soluble in Methanol and Dichloromethane
<b>Melting Point</b>	42-43 °C
<b>Assay by titration</b>	99.4%
<b>Purity by TLC</b>	Conforms to standard
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	Content of oxidised DTT = 0.245% (by UV Spectroscopy)