



INDOFINE Chemical Company, Inc.

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-CERTIFICATE OF ANALYSIS-

Product:	(+/-) Dithiothreitol
Code No:	MB1015
CAS No:	3483-12-3
Formula:	C ₄ H ₁₀ O ₂ S ₂
Batch #:	443082
Appearance:	White free flowing powder
Solubility/Clarity:	Soluble in 5% w/v in water and clear/colourless Soluble in Sodium acetate, clear colourless Soluble in Methanol and methylene chloride
Identity:	IR spectrum conforms
Melting Point:	42-43°C
Content of oxidised DTT:	0.190%
UV Absorbance 500nm:	0.020 (0.1M solution)
UV Absorbance 280nm:	0.042 (0.1M solution)
Assay:	99.55% (Iodometry) 98.5% (GC)
pH:	5.24 (0.1M solution in water)
Loss on drying:	0.3%
Heavy metals (Pb):	Nil
Sulphate:	30mg/kg