



Certificate of Analysis

DTT Dithiothreitol (Cleland's Reagent)

<u>Catalog #</u> IB21040	<u>Size</u> 5 gm
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Catalog Number: IB21040

Lot Number: 18K0153

Molecular Formula: C₄H₁₀O₂S₂

Molecular Weight: 154.25

Appearance: White powder

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>	<u>Units</u>	<u>Disposition</u>
Purity (-SH Content)	99.4		99.8	%	PASS
Oxidized DTT		0.5	0.1	%	PASS
Melting Point	39	43	41	°C	PASS
IR	PASS		PASS	P/F	PASS
Solubility (5%, Water)	PASS		PASS	P/F	PASS
Loss on Drying		0.5	0.03	%	PASS
Abs. @ 283nm (0.02M, Water)		0.05	0.044		PASS
Abs. @ 280nm (0.1M, Water)	REPORT		0.0248		PASS
Abs. @ 260nm (0.1M, Water)	REPORT		0.3474		PASS
RNase		NONE	NONE	P/F	PASS
DNase		NONE	NONE	P/F	PASS
Protease		NONE	NONE	P/F	PASS

Storage

Store at -20°C. Warm to room temperature before opening. Keep tightly sealed. A DTT solution should be stored in small aliquots at -20°C. It is advisable that DTT solutions should be made fresh prior to each use.

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: Toby Frericks
Date: 01/04/2019