

Certificate of Analysis



SCIENTIFIC

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DTT-Dithiothreitol (Cleland's Reagent)

PRODUCT NUMBER

IB21040 _____ 5gm

LOT NO.

Lot# _____ 22K3003

STORAGE

Store at - 20°C. Keep tightly sealed.

CAS NO.

CAS# _____ 3483-12-3

SPECIFICATIONS

	Specification	Analysis	Disposition
Description	White Powder	White Powder	PASS
Solubility (10% w/v in H ₂ O)	Clear, colorless solution	Clear, colorless solution	PASS
Identification (IR)	Complies with Reference	Complies	PASS
Identification (TLC)	One Spot	Complies	PASS
Melting Range	40 -44°C	41.3 - 41.7°C	PASS
UV Absorbance (283nm / 2% solution)	< 0.040	0.007	PASS
UV Absorbance (305nm / 1% solution)	< 0.050	0.007	PASS
UV Absorbance (280nm / 1% Solution)	< 0.067	0.016	PASS
UV Absorbance (400nm / 1M Neutral Solution)	< 0.062	0.036	PASS
UV Absorbance (405nm / 1M Neutral Solution)	< 0.062	0.034	PASS
UV Absorbance (OD 700-500nm / 1M Neutral Solution)	≤ 0.035	0.027	PASS
Loss on Drying	< 0.5%	0.07%	PASS
Assay	> 99.0%	101.1%	PASS
Oxidized DTT	< 0.50%	0.25%	PASS

DATE OF

Manufacture Date: _____ 10/29/2021

Reassay Date: _____ 10/2025

CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Abigail Wood
Quality Control

10/20/22
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.

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