

# Certificate of Analysis



SCIENTIFIC

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## DTT-Dithiothreitol (Cleland's Reagent)

### PRODUCT NUMBER

IB21040 \_\_\_\_\_ 5gm

### LOT NO.

Lot# \_\_\_\_\_ 22A2001

### STORAGE

Store at room temperature. 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 <sub>2</sub> 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	40.9 - 41.8°C	PASS
UV Absorbance (283nm / 2% solution)	< 0.040	0.009	PASS
UV Absorbance (305nm / 1% solution)	< 0.050	0.016	PASS
UV Absorbance (280nm / 1% Solution)	< 0.067	0.037	PASS
UV Absorbance (400nm / 1M Neutral Solution)	< 0.062	0.034	PASS
UV Absorbance (405nm / 1M Neutral Solution)	< 0.062	0.033	PASS
UV Absorbance (OD 700-500nm / 1M Neutral Solution)	≤ 0.035	0.022	PASS
Loss on Drying	< 0.5%	0.07%	PASS
Assay	> 99.0%	101.1%	PASS
Oxidized DTT	< 0.50%	0.265%	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.

Toby Frericks  
Quality Control

01/26/22  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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