


CERTIFICATE OF ANALYSIS

PRODUCT NAME: Dithiothreitol (DTT)
 CAS NO. 3483-12-3
 FORMULA WEIGHT 154.25 g/mol
 STORAGE +2 - 8°C
 BATCH NO. 18/MFM/2070
 MANUFACTURING DATE: December 2017
 EXPIRY DATE: 26 December 2020

TESTS	SPECS	RESULTS
Description	A white hygroscopic powder	Complies
Identification	IR Spectrum	Complies
	TLC	Complies
Solubility	Soluble in Methanol and Methylene Chloride	Complies
Clarity	- In water – 5% (w/v) solution in water - In sodium acetate	Clear, colourless Clear, colourless
Melting Range	42 to 44°C	42 to 43°C
UV Spectroscopy	Content of Oxidised DTT (Dihydroxydithiane)	
	NMT 0.4%	0.133%
UV Absorbance – 500nm	NMT 0.035	0.009
280nm	NMT 0.100	0.034
pH / Acidity	4.0 to 6.0	5.62
Loss on drying	≤ 0.5%	0.21%
Assay (by Iodimetry)	≥ 99.0%	99.57%

For and on behalf of
FORMEDIUM Ltd, Unit 12
 Hunstanton Commercial Park
 PE36 5JQ England

 (Authorised Signature)

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:



Date: 14 Feb 2018