Fisher Scientific L.L.C. US
1 Reagent Lane
Fair Lawn,
NJ 07410, United States of America

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	J15397
Lot Number	261724
Description	DITHIOTHREITOL (DTT), MOLECULAR BIOLOGY GRADE, ULTRAPURE
CAS Number	3483-12-3
Quality Test/Release Date	01/Jul/2026
Suggested retest date	30/Jun/2029
Country of Origin	Canada
Declaration of Origin	Organic - Non Animal

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White Crystalline powder
ABSORBANCE 0.1M SOL AT 260NM	ABS. UNITS	<= 0.40	0.0336
ABSORBANCE 0.1M SOL AT 280NM	ABS. UNITS	<= 0.08	0.05
ASSAY (S-H)	%	>= 99.5	100.2
DOUBLE-STRANDED (ENDONUCLEASE)	PASS/FAIL	IN PASS TEST	PASS TEST
DOUBLE-STRANDED (EXONUCLEASE)	PASS/FAIL	IN PASS TEST	PASS TEST
MELTING POINT	DEGREES CELSIUS	Inclusive Between 40 - 43	42
OXIDIZED DTT	%	<= 0.3	0.1
PROTEASE	PASS/FAIL	IN PASS TEST	PASS TEST
RNASE	PASS/FAIL	IN PASS TEST	PASS TEST



Harout Sahagian
QC Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.