Fisher Scientific L.L.C. US
755 US Highway
Route 202, Bridgewater,
NJ 08807, 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	J77507
Lot Number	00006500
Description	BETAINE, 5M SOLUTION, MOLECULAR BIOLOGY GRADE, ULTRAPURE
CAS Number	107-43-7,7732-18-5
Quality Test/Release Date	15/Jul/2026
Expiration Date	14/Jul/2028
Country of Origin	Lithuania
Declaration of Origin	Organic - Plant
BSE/TSE	Not derived from either human or animal sources and does not include any components derived from human or animal sources in its final formulation. This statement does not imply that the equipment or workspace used in the manufacture of this product is dedicated to animal-free production

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	n/a
DOUBLE-STRANDED (ENDONUCLEASE)	PASS/FAIL	= PASS TEST	PASS TEST
DOUBLE-STRANDED (EXONUCLEASE)	PASS/FAIL	= PASS TEST	PASS TEST
FUNCTIONAL TEST	PASS/FAIL	= PASS TEST	PASS TEST
RNASE	PASS/FAIL	= PASS TEST	PASS TEST
SINGLE-STRANDED (ENDO)	PASS/FAIL	= PASS TEST	PASS TEST
SINGLE-STRANDED (EXONUCLEASE)	PASS/FAIL	= PASS TEST	PASS TEST

Ash Frey
Supervisor, Quality Control

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.