

## 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	T407
Lot Number	252608
Description	TRIETHANOLAMINE, CERTIFIED
CAS Number	102-71-6
Quality Test/Release Date	19/Aug/2025
Suggested retest date	18/Aug/2030
Country of Origin	United States
Declaration of Origin	Organic - synthetic
BSE/TSE	This product is synthesized as a reaction product of ethylene oxide and ammonia. There are no animal derivatives used in the process. To the best of our knowledge, this product should have no issue with BSE/TSE.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY	%	>= 99	>99.0
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 1.117 - 1.125	1.122
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	%	<= 0.001	<0.001
WATER (H2O)	%	<= 0.2	<0.2



Matthew Micek  
QC Supervisor

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.