

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	E178
Lot Number	254815
Description	ETHYLENE GLYCOL, CERTIFIED
CAS Number	107-21-1
Quality Test/Release Date	05/Sep/2025
Suggested retest date	04/Sep/2030
Country of Origin	United States
Declaration of Origin	Organic - synthetic
BSE/TSE	Ethylene Glycol is synthesized from hydrocarbon feedstocks. Therefore, 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
ACIDITY	%	<= 0.01	0.008
BOILING POINT (95 ML)	DEGREES CELSIUS	Inclusive Between 196 - 199	197
BOILING POINT (INITIAL)	DEGREES CELSIUS	Inclusive Between 196 - 199	196
BOILING RANGE (1-95 ML)	DEGREES CELSIUS	<= 3	1
COLOR	APHA	<= 15	15
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
SPECIFIC GRAVITY @ 25 DEG C		Inclusive Between 1.112 - 1.115	1.113
WATER (H2O)	%	<= 0.2	0.1



Harout Sahagian
Manager, QC • Laboratory Products Group

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.