

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	BP2818
Lot Number	262039
Description	ETHYL ALCOHOL, ABSOLUTE, 200 PROOF, FOR MOLECULAR BIOLOGY
CAS Number	64-17-5
Quality Test/Release Date	10/Jun/2026
Suggested retest date	09/May/2029
Country of Origin	Canada
Declaration of Origin	Organic - Plant
BSE/TSE	THIS PRODUCT IS PRODUCED FROM CORN AND DOES NOT CONTAIN ANY MEAT OR MEAT BY-PRODUCTS OR DAIRY OR DAIRY BYPRODUCTS.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ACETONE & ISOPROPYL ALCOHOL	PASS/FAIL	IN PASS TEST	PASS TEST
ASSAY	%	>= 99.5	>99.5
BENZENE	ppm	<= 2	<2
COLOR	APHA	<= 10	<5
DNASE	PASS/FAIL	IN NOT DETECTED	NOT DETECTED
EVAPORATION RESIDUE	%	<= 0.001	<0.001
IDENTIFICATION	PASS/FAIL	IN PASS TEST	PASS TEST
INFRARED SPECTRUM	CONFORMS	IN CONFORMS TO REF	CONFORMS TO REF
METHANOL	%	<= 0.1	<0.1
PROTEASE	PASS/FAIL	IN NOT DETECTED	NOT DETECTED
RNASE	PASS/FAIL	IN NOT DETECTED	NOT DETECTED
SOLUBILITY IN WATER	PASS/FAIL	IN PASS TEST	PASS TEST
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	IN PASS TEST	PASS TEST
SUBSTANCES REDUCING KMNO4	PASS/FAIL	IN PASS TEST	PASS TEST
TITRATABLE ACID	mEq /g	<= 0.0005	<0.0005
TITRATABLE BASE	mEq /g	<= 0.0002	<0.0002
WATER (H2O)	%	<= 0.2	<0.2

Additional Information MEETS ACS SPECIFICATIONS. DOES NOT CONTAIN ANY GMO MATERIAL.



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.