



Certificate of Analysis

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Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	BP8202	Quality Test / Release Date	12/19/2018
Lot Number	188075		
Description	96% ETHYL ALCOHOL (ETHANOL), MOLECULAR BIOLOGY GRADE		
Country of Origin	United States	Suggested Retest Date	Dec/2023
Chemical Origin	Organic - Plant		
BSE/TSE Comment	This product is produced from corn. No raw materials from animal sources are used in the manufacturing of this product.		
Chemical Comment	ACS grade Absolute Ethanol is used to prepare this blend.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, Colorless liquid
ASSAY (ETHANOL)	%	Inclusive Between 94 - 98	96
ASSAY OF WATER	%	Inclusive Between 2 - 6	4
COLOR	APHA	<= 10	5
DNASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
SUBSTANCES DARKENED BY H ₂ SO ₄	PASS/FAIL	= PASS TEST	PASS TEST
SUBSTANCES REDUCING KMNO ₄	PASS/FAIL	= PASS TEST	PASS TEST
PROTEASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
RNASE	PASS/FAIL	= NOT DETECTED	NOT DETECTED
EVAPORATION RESIDUE	%	<= 0.001	<0.0001

Jerusa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
 If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.