

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by intertek Certificate Number CERT – 0120633

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	BP2819	Quality Test / Release Date	04/23/2025
Lot Number	251132		
Description	WATER, MOLECULAR BIOLOGY GRADE		
Country of Origin	United States	Suggested Retest Date	Apr/2030
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	BSE/TSE Free		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
CONDUCTIVITY AT 25 DEG C	uS/cm	< 2	1
DNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
IONIC IMPURITY - CADMIUM (Cd)	ppb	<= 10	<1
IONIC IMPURITY - CALCIUM (Ca)	ppb	<= 20	<1
IONIC IMPURITY - CHROMIUM (Cr)	ppb	<= 10	<1
IONIC IMPURITY - COBALT (Co)	ppb	<= 10	<1
IONIC IMPURITY - COPPER (Cu)	ppb	<= 10	<1
IONIC IMPURITY - IRON (Fe)	ppb	<= 10	<1
IONIC IMPURITY - LEAD (Pb)	ppb	<= 10	<1
IONIC IMPURITY - MAGNESIUM (Mg)	ppb	<= 10	<1
IONIC IMPURITY - MANGANESE (Mn)	ppb	<= 10	<1
IONIC IMPURITY - MOLYBDENUM (Mo)	ppb	<= 10	<1
IONIC IMPURITY - NICKEL (Ni)	ppb	<= 10	<1
IONIC IMPURITY - POTASSIUM (K)	ppb	<= 10	1
IONIC IMPURITY - SELENIUM (Se)	ppb	<= 10	<1
IONIC IMPURITY - VANADIUM (V)	ppb	<= 10	<1
IONIC IMPURITY - ZINC (Zn)	ppb	<= 10	<1
PH AT 25 DEGREES C		Inclusive Between 5.4 - 7.0	5.8
PROTEASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
RNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED

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.



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A handwritten signature in blue ink, appearing to read "Harout Sahagian".

Harout Sahagian - Quality Control Manager - Fair Lawn

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