

## 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 – 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	A998	Quality Test / Release Date	08/22/2023
Lot Number	233281		
Description	ACETONITRILE , HPLC GRADE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Aug/2028
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY	%	>= 99.9	100.0
COLOR	APHA	<= 10	<5
EVAPORATION RESIDUE	ppm	<= 3.0	<3
IDENTIFICATION	CONFORMS	IN CONFORMS TO STANDARD	CONFORMS TO STANDARD
LC GRADIENT SUITABILITY	mAU	<= 5	<5
OPTICAL ABS AT 190 NM	ABS. UNITS	<= 1.00	0.464
OPTICAL ABS AT 200 NM	ABS. UNITS	<= 0.07	0.054
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.02	0.020
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.01	0.001
TITRATABLE ACID	MEQ/G	<= 0.008	<0.008
TITRATABLE BASE	MEQ/G	<= 0.0006	<0.0006
WATER (H2O)	%	<= 0.01	0.004



Chetan Dudhatra - Quality Control Supervisor - 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.