

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	BP1170	Quality Test / Release Date	04/06/2024
Lot Number	241527		
Description	ACETONITRILE (ANHYDROUS DNA SYNTHESIS GRADE)		
Country of Origin	United States	Suggested Retest Date	Apr/2029
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	99.9
COLOR	APHA	<= 10	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.775 - 0.780	0.777
EVAPORATION RESIDUE	ppm	<= 1.0	0.1
FLUORESCENCE BACKGROUND	PASS/FAIL	= PASS TEST	PASS TEST
LC GRADIENT SUITABILITY	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 190 NM	ABS. UNITS	<= 1.00	0.56
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 0.15	0.05
OPTICAL ABS AT 200 NM	ABS. UNITS	<= 0.07	0.01
OPTICAL ABS AT 205 NM	ABS. UNITS	<= 0.05	0.01
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.04	0.01
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.02	<0.01
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.01	<0.01
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3405 - 1.3425	1.3415
TITRATABLE ACID	mEq/g	<= 0.008	<0.001
TITRATABLE BASE	mEq/g	<= 0.0006	<0.0001
WATER IN PPM	ppm	<= 10	4



Harout Sahagian - Quality Control Manager - Fair Lawn

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.