

## 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 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	T00101	Quality Test / Release Date	11/18/2020
Lot Number	207026		
Description	ACETONITRILE, CHROMPLETE, HPLC, GC, ACS, SPECTRO		
Country of Origin	United States	Suggested Retest Date	Nov/2025
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.		
Comment	Meets the analytical requirements of ACS and USP		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY BY GC-FID	%	>= 99.95	99.98
COLOR	A.P.H.A.	<= 5	<5
DENSITY AT 25 DEGREES C	G/ML	Inclusive Between 0.775 - 0.780	0.777
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
GC-ECD RESPONSIVE SUBSTANCES	NG/L	<= 10	<10
GC-FID RESPONSIVE SUBSTANCES	PASS/FAIL	= PASS TEST	PASS TEST
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
LC GRADIENT AT 205 NM	mAU	<= 5.4	3.07
LC GRADIENT AT 254 NM	mAU	<= 1.4	0.14
OPTICAL ABS AT 190 NM	AU	<= 1.00	0.40
OPTICAL ABS AT 195 NM	AU	<= 0.1	0.05
OPTICAL ABS AT 200 NM	AU	<= 0.05	0.01
OPTICAL ABS AT 205 NM	AU	<= 0.05	0.009
OPTICAL ABS AT 210 NM	AU	<= 0.02	0.009
OPTICAL ABS AT 220 NM	AU	<= 0.01	0.005
OPTICAL ABS AT 254 NM	AU	<= 0.005	0.001
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.3405 - 1.3425	1.3414
RESIDUE	ppm	<= 0.8	<0.08
TITRATABLE ACID	mEq/g	<= 0.008	<0.001
TITRATABLE BASE	mEq/g	<= 0.0006	<0.0001
WATER (H2O)	%	<= 0.01	<0.01

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 black ink that reads "Julian Burton".

Julian Burton - Quality Control Manager – Fair Lawn

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