

## 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	D143	Quality Test / Release Date	09/13/2021
Lot Number	214522		
Description	METHYLENE CHLORIDE, HPLC GRADE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Sep/2026
Chemical Origin	Organic - synthetic		
BSE/TSE Comment	Methylene Chloride is made from hydrocarbon feedstocks and chlorine, and never comes into contact with materials of animal origin. Therefore, there is no issue with BSE/TSE with this product.		
Comment	This product contains no genetically modified materials and is free of any known allergy-stimulating food substances. Melamine is not used in the manufacture or processing of this product, nor is there a credible chemical route for its formation. While it is not analyzed for melamine, there is no reason to believe that there is any melamine in this product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	CLEAR, COLORLESS LIQUID
ABSORBANCE	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 99.9	99.9
COLOR	APHA	<= 10	5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 1.315 - 1.321	1.316
EVAPORATION RESIDUE	ppm	<= 2	<0.2
FLUORESCENCE BACKGROUND	PASS/FAIL	= PASS TEST	PASS TEST
FREE HALOGENS	PASS/FAIL	= PASS TEST	PASS TEST
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS 340 - 400 NM	ABS. UNITS	<= 0.01	<0.001
OPTICAL ABS AT 235 NM	ABS. UNITS	<= 1	0.31
OPTICAL ABS AT 240 NM	ABS. UNITS	<= 0.2	0.04
OPTICAL ABS AT 250 NM		<= 0.10	0.01
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.014	0.005
OPTICAL ABS AT 260 NM	ABS. UNITS	<= 0.01	0.002
PRESERVATIVE - AMYLENE	ppm	Inclusive Between 15 - 200	52
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.4200 - 1.4230	1.4209
TITRATABLE ACID	MEQ/G	<= 0.0003	0.0001
WATER (H2O)	%	<= 0.02	0.005

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 - Bridgewater

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