

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	D143
Lot Number	261117
Description	METHYLENE CHLORIDE, HPLC GRADE, A.C.S.
CAS Number	75-09-2
Quality Test/Release Date	09/Mar/2026
Suggested retest date	08/Mar/2031
Country of Origin	United States
Declaration of Origin	Organic - synthetic
BSE/TSE	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.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ABSORBANCE	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 99.9	100.0
COLOR	APHA	<= 10	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 1.315 - 1.321	1.316
EVAPORATION RESIDUE	ppm	<= 2	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	<0.01
OPTICAL ABS AT 235 NM	ABS. UNITS	<= 1.00	0.48
OPTICAL ABS AT 240 NM	ABS. UNITS	<= 0.20	0.15
OPTICAL ABS AT 250 NM	ABS. UNITS	<= 0.10	0.02
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.014	0.013
OPTICAL ABS AT 260 NM	ABS. UNITS	<= 0.01	0.01
PRESERVATIVE - AMYLENE	ppm	Inclusive Between 15 - 200	100
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.4200 - 1.4230	1.4210
TITRATABLE ACID	MEQ/G	<= 0.0003	0.0002
WATER (H2O)	%	<= 0.02	<0.02

**Additional Information** 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.



Ash Frey  
Supervisor, Quality Control

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

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