

## 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	D151
Lot Number	253103
Description	METHYLENE CHLORIDE-OPTIMA
CAS Number	75-09-2
Quality Test/Release Date	10/Nov/2025
Suggested retest date	09/Nov/2030
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
ASSAY	%	>= 99.9	>99.9
COLOR	APHA	<= 10	<10
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
FREE HALOGENS	PASS/FAIL	= PASS TEST	PASS TEST
GC-FID IMPURITY (DECANE STD.) SINGLE PEAK	ppb	<= 5	<5
GC-MS IMPURITY (NAPHTHALENE, PHENANTHRENE STD)	ppb	<= 0.5	<0.5
HEPTACHLOR EPOXIDE	ppt	<= 10	<10
IDENTIFICATION	CONFORMS TO STANDARD	IN CONFORMS TO STANDARD;CONFORMS	CONFORMS TO STANDARD
OPTICAL ABS AT 233 NM	ABS. UNITS	<= 1.00	0.56
OPTICAL ABS AT 240 NM	ABS. UNITS	<= 0.12	0.09
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PRESERVATIVE - AMYLENE	ppm	Inclusive Between 15 - 200	39
TITRATABLE ACID	mEq/g	<= 0.0003	0.0001
WATER (H2O)	%	<= 0.01	<0.01

**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.



Harout Sahagian  
QC Manager

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.

