

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	40683
Lot Number	A0457811
Description	1,2-Dichloroethane, 99+%, for spectroscopy ACS
CAS Number	107-06-2
Quality Test/Release Date	16/May/2025
Suggested retest date	16/May/2028
Country of Origin	UNITED KINGDOM
Declaration of Origin	synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Form)		Clear liquid	Clear liquid
Color scale	APHA	$\leq 10$	10
GC	%	$\geq 99.0$	99.9
Water	%	$\leq 0.03$ (Coulometric)	0.0228 (Coulometric)
UV		at 228 nm A: $\leq 1.00$	at 228 nm A: 0.4979
UV		at 230 nm A: $\leq 0.50$	at 230 nm A: 0.341
UV		at 235 nm A: $\leq 0.20$	at 235 nm A: 0.1224
UV		at 240 nm A: $\leq 0.10$	at 240 nm A: 0.0452
UV		at 245 nm A: $\leq 0.05$	at 245 nm A: 0.0194
UV		at 250 nm A: $\leq 0.02$	at 250 nm A: 0.0096
UV		at 255 nm A: $\leq 0.01$	at 255 nm A: 0.0065
UV		at 400 nm A: $\leq 0.01$	at 400 nm A: $\leq 0.01$
Residue after evaporation	%	$\leq 0.002$	$\leq 0.002$
Titrate acid	meq/g	$\leq 0.0003$	$\leq 0.0003$



Geert Torfs  
Supervisor, QC

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 and development use only. 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.