

## 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 15294  
Lot Number A0468216  
Description Benzyl chloroformate, 97 wt%, stabilized  
CAS Number 501-53-1  
Quality Test/Release Date 03/Dec/2024  
Suggested retest date 03/Dec/2025  
Country of Origin HUNGARY  
Declaration of Origin synthetic

Result Name	Units	Specifications	Test Value
Appearance (Form)		Clear liquid	Clear liquid
Color scale	APHA	≤100	10
Infrared spectrum		Conforms	Conforms
Refractive index		1.5160 to 1.5180 (20°C, 589 nm)	1.5175 (20°C, 589 nm)
GC	%	≥96.0	99.8
Iron (Fe)	ppm	≤2	0.1
Acidity (HCl)	%	≤0.3	0.2
Phosgene	%	≤0.1	0.01
Benzyl alcohol	%	≤0.5	≤0.5
Stabilizer	%	0.1 anhydrous sodium carbonate	0.1 anhydrous sodium carbonate
Additional info		The material builds progressively	The material builds progressively
Additional info		benzyl chloride during storage	benzyl chloride during storage
Manufacturing date			November 11 ,2024



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.