

## **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

Units	Specifications	lest value		
Units	Specifications	Test Value		
(Including I	(Including but not limited to fermentation or nutrient broth, catalysts, enzymes).			
Not directly	Not directly derived from or manufactured with any animal byproducts in any way			
synthetic				
BELGIUM				
11/Jul/2030				
11/Jul/202	11/Jul/2025			
10038-98-9				
Germaniur	Germanium tetrachloride,99.99%,(trace metal basis)			
A0473866				
19715				
	A0473866 Germaniur 10038-98-5 11/Jul/2029 11/Jul/2039 BELGIUM synthetic Not directly (Including I	A0473866 Germanium tetrachloride,99.99%,(trace 10038-98-9 11/Jul/2025 11/Jul/2030 BELGIUM synthetic Not directly derived from or manufactur (Including but not limited to fermentation	A0473866 Germanium tetrachloride,99.99%,(trace metal basis) 10038-98-9 11/Jul/2025 11/Jul/2030 BELGIUM synthetic 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 (Color)		Clear colorless	Clear colorless
	Appearance (Form)		Liquid	Liquid
	Total trace metal impurities	%	=<0.01	=<0.01

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.