



ACROS ORGANICS part of Thermo Fisher Scientific

**ThermoFisher**  
SCIENTIFIC**Version** 1  
**Molecular weight** 114.02  
**Molecular formula** C<sub>2</sub>H F<sub>3</sub>O<sub>2</sub>  
**CAS No** 76-05-1  
**Linear formula** CF<sub>3</sub>CO<sub>2</sub>H  
**Flash point (°C)**

## Certificate of Analysis

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.

<b>Catalog Number</b>	29381	<b>Quality Test / Release Date</b>	23 February 2023
<b>Lot Number</b>	A0445862	<b>Suggested Retest Date</b>	February 2025
<b>Description</b>	Trifluoroacetic acid,99.5%,for biochemistry		
<b>Country of Origin</b>	FRANCE		
<b>Declaration of Origin</b>	synthetic		

<b>Origin Comment</b>
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Result Name	Specifications	Test Value
Appearance (Form)	Clear liquid	Clear liquid
Color scale	≤10 APHA	10 APHA
Infrared spectrum	Conforms	Conforms
Titration with NaOH	99.5 to 100.5 %	100.1 %
Water	≤0.05 % (Coulometric)	0.02 % (Coulometric)
Chloride (Cl)	≤10 ppm	≤10 ppm
Fluoride (F)	≤50 ppm	16 ppm
Sulfate (SO <sub>4</sub> )	≤10 ppm	≤10 ppm

C. Wygaerts, QA Manager

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