



## Biograde™ Trifluoroacetic Acid

CAS No. 76-05-1

An ultra high purity grade of trifluoroacetic acid designed for use in purity-critical fields such as peptide or protein research and in applications where very low levels of impurities and nonvolatile residue are desired. It can be used directly from the bottle without any further purification.

### Specifications

Assay by Titration	99.9% minimum
Water	0.05% maximum
Fluoride	0.001% maximum
Chloride	0.001% maximum
Sulfate	0.001% maximum
Trifluoroacetic anhydride	None present
Iron	0.0001% maximum
Residue after evaporation	0.0002% maximum
Color (platinum-cobalt scale)	5 maximum
UV absorbance maxima (0.1% in distilled water vs. distilled water in 1 cm cell path)	
At 230 nm	0.15
At 254 nm	0.01

### Physical Properties

Chemical Formula:	CF <sub>3</sub> COOH
Mol. Wt.:	114.02
Boiling Pt.:	72 °C
Melting Pt.:	-15 °C
Density:	1.47 g/cm <sup>3</sup>
Vapor Pressure:	107 mm Hg (25 °C)

### Packaging

Biograde50 size: 4x4 liter bottles (50 lbs.) in individual plastic foam overpacks

### Typical chemistry and uses



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