

Product Specification

Product Name:

Trifluoroacetic acid - eluent additive for LC-MS, LiChropur™, ≥99.0% (GC)

Product Number:

80457

CAS Number:

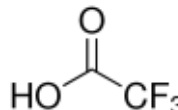
76-05-1

Formula:

C₂HF₃O₂

Formula Weight:

114.02 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Purity (GC)	≥ 99.0 %
Remarks on LC-MS	Corresponds
LC-MS Suitability Passes Test	
Water	≤ 0.05 %
Absorbance	≤ 0.05
Absorption 320nm ≤	0.05
Absorbance	≤ 0.06
Absorption 300nm ≤	0.06
Absorbance	≤ 0.07
Absorption 290nm ≤	0.07
Absorbance	≤ 0.08
Absorption 280nm ≤	0.08
Absorbance	≤ 0.1
Absorption 270nm ≤	0.1
Absorbance	≤ 0.9
Absorption 260nm ≤	0.9
Metal Trace Analysis (ICP)	Corresponds to Requirements
Silver (Ag)	≤ 0.05 mg/kg
Aluminum (Al)	≤ 0.1 mg/kg
Barium (Ba)	≤ 0.1 mg/kg
Bismuth (Bi)	≤ 0.5 mg/kg
Calcium (Ca)	≤ 0.5 mg/kg

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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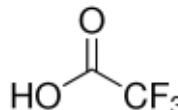
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TEST	Specification
Cadmium (Cd)	≤ 0.1 mg/kg
Cobalt (Co)	≤ 0.05 mg/kg
Chromium (Cr)	≤ 0.1 mg/kg
Copper (Cu)	≤ 0.05 mg/kg
Iron (Fe)	≤ 1.0 mg/kg
Potassium (K)	≤ 1.0 mg/kg
Lithium (Li)	≤ 0.1 mg/kg
Magnesium (Mg)	≤ 1.0 mg/kg
Manganese (Mn)	≤ 0.1 mg/kg
Molybdenum (Mo)	≤ 0.05 mg/kg
Sodium (Na)	≤ 1.0 mg/kg
Nickel (Ni)	≤ 0.1 mg/kg
Lead (Pb)	≤ 0.05 mg/kg
Strontium (Sr)	≤ 0.05 mg/kg
Thallium (Tl)	≤ 0.1 mg/kg
Zinc (Zn)	≤ 0.1 mg/kg
Total Sulfur	≤ 50 mg/kg
as SO ₄ (ICP)	
Chloride (Cl)	≤ 50 mg/kg
Sulfite (SO ₃)	≤ 10 mg/kg
Ammonia (NH ₄)	≤ 10 mg/kg
(Ion Chromatography)	

Specification: PRE.0.ZQ5.10000024791

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