

Certificate of Analysis

Product Name:

Trifluoroacetic acid PurChrom Ultra Eluent additive for LC-MS

Product No.: PSR36288
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 76-05-1
Molecular Formula: C₂F₃O₂H
Molecular Weight: 114.02 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By GC)	≥ 99.0 %	99.9 %
Water (By KF)	NMT 0.05 %	< 0.05 %
Silver (Ag)	NMT 0.02 ppm	< 0.02 ppm
Aluminum (Al)	NMT 0.1 ppm	< 0.05 ppm
Barium (Ba)	NMT 0.1 ppm	< 0.05 ppm
Bismuth (Bi)	NMT 0.1 ppm	< 0.1 ppm
Calcium (Ca)	NMT 0.5 ppm	< 0.2 ppm
Cadmium (Cd)	NMT 0.05 ppm	< 0.05 ppm
Cobalt (Co)	NMT 0.02 ppm	< 0.02 ppm
Chromium (Cr)	NMT 0.1 ppm	< 0.05 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm
Iron (Fe)	NMT 1.0 ppm	< 0.3 ppm
Potassium (K)	NMT 0.1 ppm	< 0.1 ppm
Lithium (Li)	NMT 0.02 ppm	< 0.02 ppm
Magnesium (Mg)	NMT 0.5 ppm	< 0.5 ppm
Manganese (Mn)	NMT 0.05 ppm	< 0.05 ppm
Molybdenum (Mo)	NMT 0.05 ppm	< 0.02 ppm
Sodium (Na)	NMT 1.0 ppm	< 0.5 ppm
Nickel (Ni)	NMT 0.1 ppm	< 0.05 ppm
Lead (Pb)	NMT 0.02 ppm	< 0.02 ppm
Strontium (Sr)	NMT 0.02 ppm	< 0.02 ppm
Thallium (Tl)	NMT 0.05 ppm	< 0.05 ppm
Zinc (Zn)	NMT 0.05 ppm	< 0.05 ppm
Chloride (Cl)	NMT 50.0 ppm	< 50.0 ppm
Sulfate (SO ₄)	NMT 50.0 ppm	< 50.0 ppm
Sulfite (SO ₃)	NMT 10.0 ppm	< 10.0 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

64683 Einhausen Marie-Curie-StraBe. 3, Germany

Website: www.pure-synth.com

Phone: 1800-8908-260

Email: info@pure-synth.com

Ammonium (NH ₄)	NMT 10.0 ppm	< 10.0 ppm
Suitability for the LC-MS	Complying	Complying
Absorbance @ 320 nm	NMT 0.025	< 0.025
Absorbance @ 300 nm	NMT 0.03	< 0.03
Absorbance @ 290 nm	NMT 0.04	< 0.04
Absorbance @ 280 nm	NMT 0.05	< 0.05
Absorbance @ 270 nm	NMT 0.1	< 0.1
Absorbance @ 260 nm	NMT 0.9	< 0.9

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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