

Certificate of Analysis

Product Name:

Trifluoroacetic acid *PurChrom* Ultra for LC-MS, Eluent additive for UHPLC-MS

Product No.: PSR36667
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 %
Absorbance at 260 nm	NMT 0.9	< 0.9
Absorbance at 270 nm	NMT 0.1	< 0.1
Absorbance at 280 nm	NMT 0.05	< 0.05
Absorbance at 290 nm	NMT 0.04	< 0.04
Absorbance at 300 nm	NMT 0.03	< 0.03
Absorbance at 320 nm	NMT 0.025	< 0.025
Silver (Ag)	NMT 0.02 ppm	< 0.02 ppm
Aluminium (Al)	NMT 0.05 ppm	< 0.05 ppm
Bismuth (Bi)	NMT 0.05 ppm	< 0.05 ppm
Cadmium (Cd)	NMT 0.05 ppm	< 0.05 ppm
Cobalt (Co)	NMT 0.02 ppm	< 0.02 ppm
Chromium (Cr)	NMT 0.05 ppm	< 0.05 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm
Iron (Fe)	NMT 0.3 ppm	< 0.3 ppm
Lithium (Li)	NMT 0.3 ppm	< 0.3 ppm
Manganese (Mn)	NMT 0.05 ppm	< 0.05 ppm
Barium (Ba)	NMT 0.05 ppm	< 0.05 ppm
Calcium (Ca)	NMT 0.2 ppm	< 0.2 nm
Magnesium (mg)	NMT 0.5 ppm	< 0.5 nm
Potassium (K)	NMT 0.1 ppm	< 0.1 nm
Sodium (Na)	NMT 0.5 ppm	< 0.5 ppm
Strontium (Sr)	NMT 0.02 ppm	< 0.02 ppm
Thallium (Tl)	NMT 0.05 ppm	< 0.05 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

Zinc (Zn)	NMT 0.05 ppm	< 0.05 ppm
Lead (Pb)	NMT 0.02 ppm	< 0.02 ppm
Sulphite (SO ₃)	NMT 10 ppm	< 10 ppm
Molybdenum (Mo)	NMT 0.02 ppm	<0.02 ppm
Chloride (Cl)	NMT 50 ppm	< 50 ppm
Sulfate (SO ₄)	NMT 50 ppm	< 50 ppm
Ammonium (NH ₄)	NMT 10 ppm	< 10 ppm
Suitability for the LC-MS	Complying	Complying
Suitability for UHPLC-MS	Complying	Complying

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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