

Certificate of Analysis

Product Name:

Formic Acid PurChrom Ultra eluent additive for LC-MS and UHPLC-MS

Product No.: PSR50162
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 64-18-6
Molecular Formula: $\text{H}_2\text{O}_2\text{C}$
Molecular Weight: 46.03 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay	$\geq 99.0 \%$	99.9 %
Non-volatile matter	NMT 0.002 %	0.002 %
Silver (Ag)	NMT 0.02 ppm	0.01 ppm
Aluminium (Al)	NMT 0.05 ppm	0.05 ppm
Chloride (Cl)	NMT 5 ppm	4.56 ppm
Ammonium (NH_4)	NMT 10 ppm	8.78 ppm
Potassium (K)	NMT 0.1 ppm	0.1 ppm
Copper (Cu)	NMT 0.02 ppm	0.02 ppm
Sulphate (SO_4)	NMT 5 ppm	4.85 ppm
Calcium (Ca)	NMT 0.2 ppm	0.2 ppm
Cadmium (Cd)	NMT 0.05 ppm	0.05 ppm
Cobalt (Co)	NMT 0.2 ppm	0.2 ppm
Lithium (Li)	NMT 0.2 ppm	0.1 ppm
Manganese (Mn)	NMT 0.05 ppm	0.05 ppm
Molybdenum (Mo)	NMT 0.02 ppm	0.02 ppm
Nickel (Ni)	NMT 0.05 ppm	0.05 ppm
Lead (Pb)	NMT 0.02 ppm	0.02 ppm
Iron (Fe)	NMT 0.2 ppm	0.2 ppm
Sodium (Na)	NMT 0.5 ppm	0.5 ppm
Bismuth (Bi)	NMT 0.1 ppm	0.1 ppm
Magnesium (Mg)	NMT 0.5 ppm	0.4 ppm
Zinc (Zn)	NMT 0.05 ppm	0.05 ppm
Barium (Ba)	NMT 0.05 ppm	0.05 ppm
Strontium (Sr)	NMT 0.02 ppm	0.01 ppm
Thallium (Tl)	NMT 0.05 ppm	0.05 ppm
Sulphite (SO_3)	NMT 10 ppm	9.41 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

Suitability for 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 a 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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