

## Certificate of Analysis

Product Name:

**2,2,2-Trifluoroethanol PurChrom Ultra Eluent additive for LC-MS**

Product No.: PSR3152  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 75-89-8  
Molecular Formula: CF<sub>3</sub>CH<sub>2</sub>OH  
Molecular Weight: 100.04 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By GC)	≥ 99.8 %	99.9 %
Density (D 20/4)	1.390-1.392	1.3907
Water (By KF)	NMT 0.1 %	0.01 %
Aluminium (Al)	NMT 0.5 ppm	< 0.5 ppm
Barium (Ba)	NMT 0.1 ppm	< 0.1 ppm
Bismuth (Bi)	NMT 0.1 ppm	< 0.1 ppm
Calcium (Ca)	NMT 0.5 ppm	< 0.5 ppm
Cadmium (Cd)	NMT 0.05 ppm	< 0.05 ppm
Cobalt (Co)	NMT 0.02 ppm	< 0.02 ppm
Chromium (Cr)	NMT 0.02 ppm	< 5.0 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm
Iron (Fe)	NMT 0.1 ppm	< 0.5 ppm
Potassium (K)	NMT 0.5 ppm	< 0.5 ppm
Lithium (Li)	NMT 0.1 ppm	< 0.1 ppm
Magnesium (Mg)	NMT 0.1 ppm	< 0.1 ppm
Manganese (Mn)	NMT 0.02 ppm	< 0.02 ppm
Molybdenum (Mo)	NMT 0.1 ppm	< 0.1 ppm
Sodium (Na)	NMT 1.0 ppm	< 1.0 ppm
Nickel (Ni)	NMT 0.1 ppm	< 0.1 ppm
Lead (Pb)	NMT 0.1 ppm	< 0.1 ppm
Strontium (Sr)	NMT 0.1 ppm	< 0.1 ppm
Zinc (Zn)	NMT 0.1 ppm	< 0.1 ppm
Suitability for LC-MS	Complying	Complying
Identification by <sup>1</sup> H NMR	Conforms to Structure	Conforms

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](mailto:technical@pure-synth.com)

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**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](http://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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