

## Certificate of Analysis

Product Name:

**Water PurSolv Ultra for LC-MS**

Product No.: PSR36665  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 7732-18-5  
Molecular Formula: H<sub>2</sub>O  
Molecular Weight: 18.01g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Non-volatile matter	NMT 1.0 ppm	< 1.0 ppm
Silver (Ag)	NMT 0.1ppm	< 0.1ppm
Aluminum (Al)	NMT 0.5ppm	< 0.5ppm
Barium (Ba)	NMT 0.1ppm	< 0.1ppm
Calcium (Ca)	NMT 0.1ppm	< 0.1ppm
Cadmium (Cd)	NMT 0.05ppm	< 0.05ppm
Cobalt (Co)	NMT 0.02ppm	< 0.02ppm
Chromium (Cr)	NMT 0.02ppm	< 0.02ppm
Copper (Cu)	NMT 0.02ppm	< 0.02ppm
Iron (Fe)	NMT 0.1ppm	< 0.1ppm
Potassium (K)	NMT 0.1ppm	< 0.1ppm
Magnesium (Mg)	NMT 0.1ppm	< 0.1ppm
Manganese (Mn)	NMT 0.02ppm	< 0.02ppm
Sodium (Na)	NMT 0.1ppm	< 0.1ppm
Nickel (Ni)	NMT 0.02ppm	< 0.02ppm
Lead (Pb)	NMT 0.1ppm	< 0.1ppm
Tin (Sn)	NMT 0.1ppm	< 0.1ppm
Zinc (Zn)	NMT 0.1ppm	< 0.1ppm
Chloride (Cl)	NMT 0.01ppm	< 0.01ppm
Fluoride (F)	NMT 0.01ppm	< 0.01ppm
Nitrate (NO <sub>3</sub> )	NMT 0.1ppm	< 0.1ppm
Sulfate (SO <sub>4</sub> )	<0.1ppm	<0.1ppm
HPLC Gradient drift 254 nm	NMT 3 mAU	< 3 mAU
HPLC Gradient peak 254 nm	NMT 0.6 mAU	< 0.6 mAU
HPLC Gradient drift 210 nm	NMT 8 mAU	< 8 mAU
HPLC Gradient peak 210 nm	NMT 2 mAU	< 2 mAU

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)

Suitability for the LC-MS	Complying	Complying
Fluorescence (chin in) at 254nm	NMT 1ppb	< 1ppb
Fluorescence (chin in) at 365nm	NMT 1ppb	< 1ppb
Transmittance at 230nm	> 99.0 %	> 99.0 %
Transmittance at 200nm	> 95.0 %	> 95.0 %

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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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