

Certificate of Analysis

Product Name:

Water PurSol^v Ultra Plus for LCMS, tested for UHPLC-MS

Product No.: PSR49126
Lot No.: Sample
Brand: PureSynth
CAS No.: 7732-18-5
Molecular Formula: H₂O
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 ppm	< 1 ppm
Silver (Ag)	NMT 0.1 ppm	< 0.1 ppm
Aluminum (Al)	NMT 0.5 ppm	< 0.5 ppm
Barium (Ba)	NMT 0.1 ppm	< 0.1 ppm
Calcium (Ca)	NMT 0.1 ppm	< 0.1 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	< 0.02 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm
Iron (Fe)	NMT 0.1 ppm	< 0.1 ppm
Potassium (K)	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
Sodium (Na)	NMT 0.1 ppm	< 0.1 ppm
Nickel (Ni)	NMT 0.02 ppm	< 0.02 ppm
Lead (Pb)	NMT 0.1 ppm	< 0.1 ppm
Tin (Sn)	NMT 0.1 ppm	< 0.1 ppm
Zinc (Zn)	NMT 0.1 ppm	< 0.1 ppm
Chloride (Cl)	NMT 0.01 ppm	< 0.01 ppm
Fluoride(F)	NMT 0.01 ppm	< 0.01 ppm
Nitrate (NO ₃)	NMT 0.1 ppm	< 0.1 ppm
Sulfate (SO ₄)	<0.1ppm	< 0.1ppm
UHPLC-MS ESI (+) (Reserpine)	NMT 5 ppb	5 ppb
UHPLC-MS ESI (-) (Digoxin)	NMT 20 ppb	20 ppb
UHPLC Gradient drift 254 nm	NMT 3 mAU	< 3 mAU
UHPLC Gradient peak 254 nm	NMT 0.6 mAU	< 0.6 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

UHPLC Gradient drift 210 nm	NMT 8 mAU	< 8 mAU
UHPLC Gradient peak 210 nm	NMT 2 mAU	< 2 mAU
Suitability for the UHPLC-MS	Complying	Complying
Fluorescence (chin in) at 254nm	NMT 1.0ppb	< 1.0ppb
Fluorescence (chin in) at 365nm	NMT 1.0ppb	< 1.0ppb
Transmittance at 230nm	> 99.0 %	> 99.0 %
Transmittance at 200nm	> 95.0 %	> 95.0 %

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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