



**CERTIFICATE OF ANALYSIS** ...Pure Quality

Product Name: **WATER**  
Application: UHPLC-MS, LC-MS, HPLC, Trace, ACS

Product Number:	CP-C9605	Formula:	H <sub>2</sub> O
CAS Number:	7732-18-5	F.Weight:	18.02 g/mol
Lot Number:	DS838CP	Density:	1.00 g/cm <sup>3</sup>
Manufactured Date:	Dec. 09 , 2024	Expiration Date:	Dec. 08 , 2026
MDL No:	MFCD00011332	Storage:	Ambient
EC Number:	231-791-2	DOT/RID/ADR	None

<u>Test</u>	<u>Specification</u>	<u>Result</u>
Appearance (Color)	Clear	Clear
Appearance (Form)	Liquid	Liquid
UV Absorbance 230nm	≤ 0.003	0.0005
UV Absorbance 210nm	≤ 0.020	0.0007
Residue on Evaporation	≤ 0.0001 %	< 1 ppm
Fluorescence 254nm as Quinine	≤ 1 ppb	<1 ppb
Fluorescence 365nm as Quinine	≤ 1 ppb	<1 ppb
HPLC Absorbance 254nm	≤ 0.9 mAU	<5 mAU
HPLC Absorbance 210nm	≤ 2 mAU	<1 mAU
LCMS Suitability Confirmed	Suitable	Suitable
LCMS Positive Mode (caffeine)	≤ 100 ppb	<100 ppb
LCMS Positive Mode ( reserpine)	≤ 50 ppb	<50 ppb
LCMS Negative Mode (4-nitrophenol)	≤ 50 ppb	<50 ppb
Chloride by Ion Chromatography	≤ 0.01 ppm	< 0.01 ppm
Fluoride by Ion Chromatography	≤ 0.01 ppm	< 0.01 ppm
NO <sub>3</sub> by Ion Chromatography	≤ 0.1 ppm	< 0.1 ppm
SO <sub>4</sub> by Ion Chromatography	≤ 0.1 ppm	< 0.1 ppm
Trace Metal Analysis	Complete	Complete
Aluminum (Al)	≤ 500 ppb	< 500 ppb
Barium ( Ba )	≤ 500 ppb	< 500 ppb
Cadmium (Cd)	≤ 50 ppb	< 50 ppb
Calcium (Ca)	≤ 100 ppb	< 100 ppb
Chromium (Cr)	≤ 20 ppb	< 20 ppb
Cobalt (Co)	≤ 20 ppb	< 20 ppb
Copper (Cu)	≤ 20 ppb	< 20 ppb
Iron (Fe)	≤ 100 ppb	< 100 ppb
Magnesium (Mg)	≤ 100 ppb	< 100 ppb
Manganese (Mn)	≤ 20 ppb	< 20 ppb
Nickel (Ni)	≤ 20 ppb	< 20 ppb
Lead ( Pb )	≤ 100 ppb	< 100 ppb
Potassium (K)	≤ 100 ppb	< 1 ppb
Silver (Ag)	≤ 100 ppb	< 100 ppb
Sodium (Na)	≤ 100 ppb	< 100 ppb
Tin (Sn)	≤ 100 ppb	< 100 ppb
Zinc (Zn)	≤ 100 ppb	< 100 ppb

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