



CERTIFICATE OF ANALYSIS

Product: Water
Cat: CP-C9605
Lot: EL3C10
Description: Water for UHPLC-MS, LC-MS, HPLC, Trace, ACS
Date of Manufacture: 2025-Nov-02
Use Before Date: 2027-Oct-23

Parameter	Specification		Result	Units
	Min.	Max.		
Appearance (Color)	Colorless		Colorless	
Appearance (Form)	Liquid		Liquid	
LC-MS Positive Mode (as caffeine)		100	<100	ppb
LC-MS Positive Mode (as reserpine)		50	<50	ppb
LC-MS Negative Mode (4-nitrophenol)		50	<50	ppb
LC-MS Suitability Test	Suitable		Suitable	
HPLC Gradient @ 210 nm		5	<5	mAU
HPLC Gradient @ 254 nm		1	<1	mAU
Residue		1	<1	mg/Kg
UV-Visible Spectrometry				
Transmittance @ 230nm	99		99.6	%
Transmittance @ 210nm	95		99.6	%
Absorbance @ 230nm		0.0043	0.0018	AU
Absorbance @ 210nm		0.0222	0.0018	AU
Luminescence				
Fluorescence @ 254 nm (as Quinine)		1	<1	ppb
Fluorescence @ 365 nm (as Quinine)		1	<1	ppb
Trace Metals Analysis (ICP-MS)	Passes test		Passes test	
Silver (Ag)		0.1	<0.1	mg/Kg
Aluminum (Al)		0.5	<0.5	mg/Kg
Barium (Ba)		0.1	<0.1	mg/Kg

(Continued on page 2)

Parameter	Specification		Result	Units
	Min.	Max.		
Calcium (Ca)		0.1	<0.1	mg/Kg
Cadmium (Cd)		0.05	<0.05	mg/Kg
Cobalt (Co)		0.02	<0.02	mg/Kg
Chromium (Cr)		0.02	<0.02	mg/Kg
Copper (Cu)		0.02	<0.02	mg/Kg
Iron (Fe)		0.1	<0.1	mg/Kg
Potassium (K)		0.1	<0.1	mg/Kg
Magnesium (Mg)		0.1	<0.1	mg/Kg
Manganese (Mn)		0.02	<0.02	mg/Kg
Sodium (Na)		0.1	<0.1	mg/Kg
Nickel (Ni)		0.02	<0.02	mg/Kg
Lead (Pb)		0.1	<0.1	mg/Kg
Tin (Sn)		0.1	<0.1	mg/Kg
Zinc (Zn)		0.1	<0.1	mg/Kg
Chloride by Ion Chromatography		10	<10	µg/kg
Fluoride by Ion Chromatography		10	<10	µg/kg
Nitrate by Ion Chromatography		100	<100	µg/kg
Sulfate by Ion Chromatography		100	<100	µg/kg