

User Friendly Summary of H₂ Series Dual Filter System Test Results

performed by:



All tests performed in Silver State's NELAP / EPA Accredited laboratory.

Abstract: All tests performed were done in manner to replicate the flow rates and contact times of AlkaViva H₂ Series ionizers with a flow rate of 3 liters per minute. No ionizers, or form of electrolysis was used in testing.

All control water samples, influent samples, were created using DI water then spiked with contaminant samples and scanned separately for accurate starting values without passing through the H₂ Series filters.

All filters were flushed prior to testing using 10 gallons of DI water, than cleared of excess water by air. Prior to collection approximately 2 liters of control water sample was passed through the filters at full flow rate and the effluent samples were collected at this time.

Testing for a sample group of heavy metals, Total Residual Chlorine were performed using the H₂ Series Dual Filtration System and was completed on February 19, 2016.

Influent = The levels found in the control sample prior to passing through the UltraWater Filtration System.

Effluent = The levels found in the collected sample after passing through the UltraWater Filtration System.

mg/L = Milligrams per liter, or Parts Per Million (PPM)

ug/L = Nanograms per Liter, or Parts Per Billion (PPB)

ND = Nondetectable levels were found in testing. ND is an indicator if the lowest level of accurate reporting based on the equipments capabilities and the type of tests performed.

H₂ Series Dual Filter System Test Results

Drinking Water Contaminant	Contaminant Level (Influent)	Unit of Measure	H2 Series Filter System Results	Reporting Limits
Chlorine (Total Residual)	0.70	mg/L	ND	0.25
<i>Heavy Metals</i>				
Aluminum	0.065	mg/L	<0.05	0.05
Antimony	0.038	mg/L	<0.001	0.001
Arsenic	0.043	mg/L	<0.001	0.001
Barium	1.6	mg/L	0.009	0.005
Beryllium	0.003	mg/L	<0.001	0.001
Boron	1.7	mg/L	<0.05	0.05
Cadmium	0.017	mg/L	<0.001	0.001
Chromium	0.059	mg/L	<0.001	0.001
Copper	0.22	mg/L	<0.001	0.001
Iron	1.2	mg/L	<0.05	0.05
Lead	0.061	mg/L	<0.001	0.001
Manganese	0.31	mg/L	0.003	0.001
Molybdenum	0.038	mg/L	<0.001	0.001
Mercury	0.0008	mg/L	<0.0001	0.0001
Nickle	0.054	mg/L	<0.001	0.001
Selenium	0.082	mg/L	<0.005	0.005
Silver	0.28	mg/L	<0.001	0.001
Thalium	0.009	mg/L	<0.0005	0.0005
Vanadium	0.31	mg/L	<0.001	0.001
Zinc	0.23	mg/L	<0.01	0.01