

## User Friendly Summary of Perfect Pitcher Test Results after 40 gallons

*performed by:*



The test was performed in a NELAP / EPA Accredited laboratory environment.

**Abstract:** All tests performed were done in manner to replicate the flow rates and contact times of the Club Hydrogen Perfect Pitcher under normal use (approximately .25 LPM or 1 liter in 5 minute. ).

Control water sample (influent sample) were created using DI water then spiked with contaminant samples and scanned separately for accurate starting values without passing through the filter.

The pitcher was prepared to allow water to flow from the tap into the top reservoir, through the filter and into and out of the lower reservoir, thus allowing continuous flow. A Savant 5500 Digital inline flow meter was installed, inline after the tap, to accurately track the 40 gallon capacity. A brand new Perfect Pitcher filter was inserted into the pitcher. Tap water flow was started which ran first through the flow meter, then into the pitcher top reservoir at one liter per 5 minutes (same flow rate as normal pitcher). The reservoir emptied through the filter and into the lower reservoir and out to the drain. 40 gallons was run through the filter as recorded by the Savant 5500 inline flow meter. At 40 gallons the flow was stopped. The filter was kept wet until the Control Samples were passed through it and collecting for results.

Testing for a sample group of heavy metals 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.

Drinking Water Contaminant	Influent Contaminant Level	Unit of Measure	Perfect Pitcher Results (Effluent)	Reporting Limits
<b><i>Disinfectants and other Anions</i></b>				
Free Chlorine	0.70	mg/L	ND	0.25
<b><i>Heavy Metals</i></b>				
Aluminum	0.065	mg/L	<0.05	0.05
Antimony	0.038	mg/L	0.002	0.001
Arsenic	0.043	mg/L	0.001	0.001
Barium	1.6	mg/L	0.17	0.005
Beryllium	0.003	mg/L	<0.001	0.001
Boron	1.7	mg/L	0.67	0.05
Cadmium	0.017	mg/L	<0.001	0.001
Chromium	0.059	mg/L	0.003	0.001
Copper	0.22	mg/L	0.017	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	0.036	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	0.005	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	<0.01	0.001