

TRIPLE CLEAR FORCE FIELD FILTER™ - LAB REPORT

MICROBIOLOGICAL THREATS

Testing by BCS Labs (1/2/14), #1401002

Challenge Species: Triple Clear 2.5" Force Field™ Gravity Camp Filters	Filter Influent Average Concentration	Percent removal of the challenge species by the filter initially and following the passage of the indicated volume (liters) of laboratory grade reagent water			
		1.0 liter	10.0 liter	25.0 liter	50.0 liter
Bacteria: Raoultella terrigena	3.45 x 10 ⁵ cfu/ml	>99.9999%*	>99.9999%*	>99.9999%*	>99.9999%*
Virus: MS-2 Bacteriophage	3.45 x 10 ⁵ pfu/ml	>99.9999%*	>99.9999%*	>99.9999%*	>99.9999%*
e: 3.0 micron microspheres	1.8 x 10 ⁴ spheres/ml	>99.998%*	>99.998%*	>99.998%*	>99.998%*

*No species were detected in the filter effluent for the duplicate samples analyzed. Filter effluent samples were analyzed in duplicates at the minimum following collection.

HEAVY METALS

Metal Species	Influent Concentration (ppm)	Filter #1 Effluent following passage of 100 gallons water; BCS 1407065		Filter #2 Effluent following passage of 100 gallons water; BCS 1407066		Cumulative % Reduction
		Concentration (ppm)	% Reduction	Concentration (ppm)	% Reduction	
Arsenic (As)	.011	0.0052	95.3%	<0.0040**	>96.4%**	95.9%
Barium (Ba)	.011	0.01	90.9%	0.0054	95.1%	93.0%
Cadmium (Cd)	.010	<0.0010**	>99.0%**	<0.0010**	>99.0%**	>99.0%**
Chromium (Cr)	.015	<0.0020**	>98.7%**	<0.0020**	>98.7%**	>98.7%**
Lead (Pb)	0.084	<0.0022**	97.4%**	0.0027	96.8%	97.1%
Mercury (Hg)	0.140	0.069	50.7%	0.056	40.0%	45.4%
Selenium (Se)	.011	<0.0050**	>95.5%**	<0.0050***	>95.5%**	>95.5%**
Silver (Ag)	0.064	0.0049	92.3%	<0.0010**	>98.4%**	95.4%

** The species was not detected in the effluent.

OTHER CONTAMINANTS

- PCB's Remove to 99+%
- Antibiotics Remove to 99+%
- Bisphenol A (BPA) remove to 99+%
- TEP remove to 99+%
- Chlorophyll remove to 99+%
- Trace Hydrocarbons remove to 99+%

SPECIFICATIONS

- Temperature: 40-160°F
- Max Flow Rate: 2 GPM
- Capacity: Up to 3,000 gal.
- Effective Micron Rate: .001
- Max Pressure: 110 psi

Force Field Filter complies with the following standards:



Tested by a certified laboratory in the U.S. (testing was done at 6.5 pH)