

Performance Data for the ClearlyFiltered Water Pitcher and Filter

Replacement Element	Product Type	Rated Capacity	Operating Temperatures
Model CF-PRF	Gravity-Fed Water Pitcher	100 Gallons (378 L)	38-85° F (4-30° C)
Testing Completed: 3/16/2018	Manufactured by: ClearlyFiltered, Inc. Rancho Santa Margarita, CA 877-876-2740		

Testing performed by Envirotek Laboratories, Wilmington, DE (www.enviroteklab.com) 856-583-0445, an EPA/NELAC accredited laboratory EPA-ID#: NJ01298. All tests, unless otherwise reported were performed in accordance with NSF Standards 42, 53, 244, 401 & 473 for water quality and the reduction of chemicals and contaminants. The challenge water was spiked with the substances indicated below and then passed through the filter. The results are stated in the report below. All contaminants were reduced to a concentration equal to or less than the permissible limits set forth by NSF.

Contaminant Reduction Results

Fluoride

Contaminant	Challenge Water (mg/L)	Filtered Water (mg/L)	% Removal
Fluoride (2ppm)	2.16	0.04	98.2%
Fluoride (4ppm)	3.94	0.08	98.0%
Fluoride (8ppm)	8.19	0.25	96.9%

Chemical Disinfectants

Contaminant	Challenge Water (mg/L)	Filtered Water (mg/L)	% Removal
Chlorine	4.0	<0.10	99.9%
Chloramines	4.0	<0.10	99.9%

Perfluorinated Chemicals

Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
PFAS	2.03	0.04	99.6%
PFOA	2.03	0.04	99.6%
PFOS	2.03	0.04	99.6%

Microplastics

Contaminant	Challenge Water Microplastics/L	Filtered Water Microplastics/L	% Removal
Microplastics	10 ⁸ /L	30/L	99.9%

Heavy Metals

Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
Antimony	6	<0.50	99.9%
Arsenic	388	1.50	99.6%
Barium	1,104	1.50	99.9%
Beryllium	6	<0.50	99.9%
Cadmium	29.4	<0.50	99.9%
Chromium-6	306	9.50	96.9%
Copper	3092	<0.50	99.9%
Iron	3020	18.60	99.4%
Lead	148	0.70	99.5%
Nickel	110	2.20	98.0%
Mercury	6	<0.50	99.9%
Manganese	1057	1.20	99.9%
Selenium	100	1.20	98.8%
Thallium	6	<0.50	99.9%
Zinc	1449	65.20	95.5%

Prescription Drugs & Chemicals

Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
Acetaminophen	20.3	<0.10	99.9%
Bisphenol-A (BPA)	20.1	<0.10	99.9%
Caffeine	20.0	<0.10	99.9%
Carbamazepine	20.1	<0.10	99.9%
Ciprofloxacin	20.2	<0.10	99.9%
Diclofenac Sodium	20.4	<0.10	99.9%
Erythromycin	20.1	<0.10	99.9%
Gemfibrozil	20.1	<0.10	99.9%
Ibuprofen	20.4	<0.10	99.9%
Naproxen Sodium	20.5	<0.10	99.9%
Nitrate	27	0.20	99.3%
Phthalates	40.4	<0.10	99.9%
Phosphates	10.0	0.30	97.0%
Progesterone	20.0	<0.10	99.9%
Primidone	20.3	<0.10	99.9%
Sulamethoxazole	20.2	<0.10	99.9%
Trimethoprim	20.0	<0.10	99.9%
Triclosan	20.2	<0.10	99.9%
4-para-Nonylphenol	20.2	<0.10	99.9%
4-tert-Octylphenol	20.1	<0.10	99.9%

Herbicides

Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
Glyphosate	802	<0.10	99.9%
Acifluorfen	99.7	<0.10	99.9%
Bentazon	100.3	<0.10	99.9%
Chloramben	94.7	<0.10	99.9%
Dalapon	100.0	6.80	93.2%
Dicamba	102.8	<0.10	99.9%
Hexachloropentadiene	100.4	<0.10	99.9%
Pentachlorophenol	100.5	<0.10	99.9%
Quinchlorac	100.2	<0.10	99.9%
Silvex	100.8	<0.10	99.9%

Radiological Elements

Contaminant	Challenge Water (pCi)	Filtered Water (pCi)	% Removal
Gross Alpha	45	<1	99.9%
Plutonium 238, 239	45	<1	99.9%
Radium 226, 228	45	<1	99.9%
Thorium 230	45	<1	99.9%
Uranium 235, 238	45	<1	99.9%
Gross Beta	46	<1	99.9%
Cesium 137	46	<1	99.9%
Cobalt 60	46	<1	99.9%
Iodine 129, 131	46	<1	99.9%
Strontium 90	46	<1	99.9%

Volatile Organic Compounds (VOCs)			
Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
Volatile Organic Compounds	294.40	1.00	99.7%
Total Trihalomethanes (TTHMs)	294.40	1.00	99.7%
1,1-Dichloroethane	51.01	<0.50	99.9%
1,1-Dichloroethene	58.07	<0.50	99.9%
1,1-Dichloropropene	43.78	<0.50	99.9%
1,1,1-Trichloroethane	56.19	<0.50	99.9%
1,1,1,2-Tetrachloroethane	51.42	<0.50	99.9%
1,1,2-Trichloroethane	74.20	<0.50	99.9%
1,1,2-Trichloroethane	54.83	<0.50	99.9%
1,2-Dichlorobenzene	76.24	<0.50	99.9%
1,2-Dichloroethane	71.19	<0.50	99.9%
1,2-Dichloropropane	67.47	<0.50	99.9%
1,2,3-Trichlorobenzene	58.35	<0.50	99.9%
1,2,3-Trichloropropane	54.13	<0.50	99.9%
1,2,4-Trichlorobenzene	52.77	<0.50	99.9%
1,2,4-Trimethylbenzene	51.82	<0.50	99.9%
1,3-Dichlorobenzene	54.32	<0.50	99.9%
1,3-Dichloropropane	54.46	<0.50	99.9%
1,3,5-Trimethylbenzene	51.62	<0.50	99.9%
1,4-Dichlorobenzene	67.91	<0.50	99.9%
2-Chlorotoluene	51.10	<0.50	99.9%
2,2-Dichloropropane	45.94	<0.50	99.9%
4-Chlorotoluene	51.68	<0.50	99.9%
4-Isopropyltoluene	49.31	<0.50	99.9%
Benzene	50.13	<0.50	99.9%
Bromobenzene	46.42	<0.50	99.9%
Bromochloromethane	57.23	<0.50	99.9%
Bromodichloromethane	22.56	<0.50	99.9%
Bromoform	74.2	<0.50	99.9%
Bromomethane	55.77	<0.50	99.9%
Carbon Tetrachloride	53.41	<0.50	99.9%
Chlorobenzene	64.20	<0.50	99.9%
Chlorodibromomethane	58.65	<0.50	99.9%
Chloroethane	63.44	<0.50	99.9%
Chloroform	294.40	1.00	99.7%
Chloromethane	56.85	<0.50	99.9%
cis-1,2-Dichloroethene	65.78	<0.50	99.9%
cis-1,3-Dichloropropene	53.70	<0.50	99.9%
Dibromomethane	56.17	<0.50	99.9%
Dichlorodifluoromethane	50.91	<0.50	99.9%
Ethylbenzene	31.42	<0.50	99.9%
Hexachlorobutadiene	76.96	<0.50	99.9%
Isopropyl benzene	47.12	<0.50	99.9%
m-Xylene	99.80	<0.50	99.9%
MTBE	56.47	<0.50	99.9%
n-Butylbenzene	47.83	<0.50	99.9%
n-Propylbenzene	56.95	<0.50	99.9%
Naphthalene	53.16	<0.50	99.9%
o-Xylene	77.59	<0.50	99.9%
sec-Butylbenzene	45.94	<0.50	99.9%
Styrene	55.89	<0.50	99.9%
tert-Butylbenzene	50.19	<0.50	99.9%
Tetrachloroethene	59.54	<0.50	99.9%
Toluene	48.57	<0.50	99.9%
trans-1,2-Dichloroethene	60.51	<0.50	99.9%
trans-1,3-Dichloropropene	55.32	<0.50	99.9%
Trichloroethene	54.15	<0.50	99.9%
Trichlorofluoromethane	43.57	<0.50	99.9%
Vinyl chloride	62.17	<0.50	99.9%

Semi-Volatile Compounds			
Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
1,2-Dichlorobenzene	49.71	<0.10	99.9%
1,2,4-Trichlorobenzene	48.90	<0.10	99.9%
1,3-Dichlorobenzene	49.77	<0.10	99.9%
1,4-Dichlorobenzene	49.66	<0.10	99.9%
2-Chloronaphthalene	49.41	<0.10	99.9%
2-Chlorophenol	49.62	<0.10	99.9%
2-Nitrophenol	49.94	<0.10	99.9%
2,2-Dimethylphenol	50.02	<0.10	99.9%
2,2-Oxybis(1-chloropropane)	49.68	<0.10	99.9%
2,4-Dichlorophenol	50.33	<0.10	99.9%
2,4-Dinitrophenol	49.33	<0.10	99.9%
2,4-Dinitrotoluene	49.43	<0.10	99.9%
2,4,6-Trichlorophenol	49.34	<0.10	99.9%
2,6-Dinitrotoluene	49.39	<0.10	99.9%
4-Bormophenyl phenyl ether	49.52	<0.10	99.9%
4-Chloro-3-methylphenol	49.65	<0.10	99.9%
4-Chlorophenyl phenyl ether	50.78	<0.10	99.9%
4-Nitrotoluene	49.40	<0.10	99.9%
Acenaphthene	49.16	<0.10	99.9%
Acenaphthylene	49.41	<0.10	99.9%
Anthracene	49.32	<0.10	99.9%
Benzo(a) anthracene	49.31	<0.10	99.9%
Benzo(a) pyrene	49.37	<0.10	99.9%
Benzo(b) fluoranthene	49.88	<0.10	99.9%
Benzo(g,h,i) perylene	49.32	<0.10	99.9%
Benzo(k) fluoranthene	49.36	<0.10	99.9%
Benzyl butyl phthalate	49.41	<0.10	99.9%
Bis(2-chloroethoxy)methane	49.47	<0.10	99.9%
Bis(2-chloroethyl) ether	49.86	<0.10	99.9%
Bis(2-ethylhexyl) phthalate	49.37	0.64	98.7%
Chrysene	49.39	3.65	92.6%
Di-n-butylphthalate	49.29	<0.10	99.9%
Di-n-octyl phthalate	49.27	<0.10	99.9%
Dibenzo(a,h)anthracene	49.35	<0.10	99.9%
Diethylphthalate	40.47	<0.10	99.9%
Dimethylphthalate	49.49	<0.10	99.9%
Dinitro-o-cresol	50.78	<0.10	99.9%
Diphenylamine	40.47	<0.10	99.9%
Fluoranthene	49.31	<0.10	99.9%
Fluorene	49.39	<0.10	99.9%
Haxachlorobenzene	48.06	1.53	96.8%
Hexachlorobutadiene	49.40	<0.10	99.9%
Hexachlorocyclopentadiene	49.19	<0.10	99.9%
Hexachloroethane	49.77	<0.10	99.9%
Indeno(1,2,3-cd) pyrene	49.28	<0.10	99.9%
Isophrone	49.85	<0.10	99.9%
N-Nitroso-di-n-propylamine	49.98	<0.10	99.9%
N-Nitrosodimethylamine	49.84	<0.10	99.9%
Naphthalene	49.37	<0.10	99.9%
Nitrobenzene	49.66	<0.10	99.9%
Pentachlorophenol	49.96	0.84	98.3%
Phenanthere	49.18	<0.10	99.9%
Phenol	49.87	<0.10	99.9%
Pyrene	47.15	<0.10	99.9%

Pesticides			
Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
2,4-D	50.1	<0.10	99.9%
Alachlor	498	0.11	99.9%
Aldrin	48.5	<0.10	99.9%
Atrazine	98.4	0.12	99.9%
Bromacil	50.1	<0.10	99.9%
Butachlor	50.3	<0.10	99.9%
Butylate	42.5	<0.10	99.9%
Chlorpyrifos	50.2	<0.10	99.9%
Cyanizine	50.5	<0.10	99.9%
Carbofuran	80.2	<0.10	99.9%
Chlorneb	50.5	<0.10	99.9%
Chlorthalonil	51.2	<0.10	99.9%
Chlorprophane	52.5	<0.10	99.9%
Cis-Chlordane	50.8	<0.10	99.9%
DDD	44.2	<0.10	99.9%
DDE	56.4	<0.10	99.9%
DDT	60.5	<0.10	99.9%
Dieldrin	47.50	<0.10	99.9%
Dichlorvos	51.4	<0.10	99.9%
Diphenamid	49.0	<0.10	99.9%
Disulfoton	50.2	<0.10	99.9%
Endrin	62.1	<0.10	99.9%
Endosulfan I	42.9	<0.10	99.9%
Endosulfan II	41.2	<0.10	99.9%
Endosulfan Sulfate	51.0	<0.10	99.9%
Endrin Aldehyde	45.1	<0.10	99.9%
Endrin Keytone	50.3	<0.10	99.9%
Ethoprop	50.4	<0.10	99.9%
Fenaiphos	52.0	<0.10	99.9%
Fenarimol	50.0	<0.10	99.9%
Fluoridone	50.1	<0.10	99.9%
Heptachlor	48.4	<0.10	99.9%

Pesticides - Continued			
Contaminant	Challenge Water (ug/L)	Filtered Water (ug/L)	% Removal
Heptachlor Epoxide	50.5	<0.10	99.9%
Hexachlorobenzene	50.1	<0.10	99.9%
Hexachlorocyclopentadiene	52.0	<0.10	99.9%
Molinate	51.0	<0.10	99.9%
Metribuzin	50.8	<0.10	99.9%
Methoxychlor	50.1	<0.10	99.9%
Metolachlor	50.2	<0.10	99.9%
Nano-Chlordane	48.5	<0.10	99.9%
PCB's	10.4	0.12	99.9%
Propachlor	50.2	<0.10	99.9%
Simazine	50.0	<0.10	99.9%
Toxaphene	15.1	<0.10	99.9%
Trans-Chlordane	50.5	<0.10	99.9%
Alpha-BHC	49.0	<0.10	99.9%
Beta-BHC	49.5	<0.10	99.9%
Delta-BHC	50.1	<0.10	99.9%
Gamma-BHC	50.2	<0.10	99.9%

Bacteria, Cysts & Microorganisms			
Contaminant	Challenge Water (CFU/L)	Filtered Water (CFU/L)	% Removal
E. Coli	10 ⁸ /L	30 CFU/L	99.9%
Cryptosporidium	10 ⁸ /L	50 CFU/L	99.9%
Giardia	10 ⁸ /L	50 CFU/L	99.9%
Klebsiella Pneumoniae	10 ⁸ /L	30 CFU/L	99.9%
Pseudomona Aeruginosa	10 ⁸ /L	40 CFU/L	99.9%