

## Performance Data for the ClearlyFiltered Water Bottle and Filter

Replacement Element	Product Type	Rated Capacity	Operating Temperatures
Model CF-BF	Water Bottle with Filter	25 Gallons (94 L)	38-85° F (4-30° C)
Testing Completed: 12/04/2017	Manufactured by: ClearlyFiltered, Inc. Rancho Santa Margarita, CA 877-876-2740		

Testing performed by Envirotek Laboratories, Wilmington, DE ([www.enviroteklab.com](http://www.enviroteklab.com)) 856-583-0445 in accordance with NSF Standards 42, 53 & 401 for water quality and the reduction of chemicals and contaminants. The 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

### Chemical Additives

Contaminant	Challenge Water (mg/L)	Filtered Water (mg/L)	% Removal
Fluoride	0.7	<0.1	99.9%
Fluoride	2.1	0.02	99.0%

### Heavy Metals

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
Lead	152	<1.0	99.9%
Mercury	6.2	<0.5	99.9%

### Pharmaceutical Drugs

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
17-alpha-Ethinylestradiol	2.14	<0.02	99.9%
17-beta-Estradiol	1.99	<0.02	99.9%
4-para-Nonylphenol	2.28	<0.02	99.9%
4-tert-Octylphenol	2.05	<0.02	99.9%
Acetaminophen	2.42	<0.02	99.9%
Bisphenol A	2.05	<0.02	99.9%
Caffeine	1.83	<0.02	99.9%
Carbamazepine	1.43	<0.02	99.9%
Ciprofloxacin	2.62	<0.02	99.9%
Diclofenac Sodium	1.90	<0.02	99.9%
Estrone	0.22	<0.02	99.9%
Fluoxetine	1.91	<0.02	99.9%
Gemfibrozil	1.92	<0.02	99.9%
Ibuprofen	0.40	<0.02	99.9%
Naproxen	0.20	<0.02	99.9%
Primidone	1.99	<0.02	99.9%
Progesterone	2.08	<0.02	99.9%
Sulfamethoxazole	1.95	<0.02	99.9%
Testosterone	1.44	<0.02	99.9%
Triclosan	1.20	<0.02	99.9%
Trimethoprim	2.20	<0.02	99.9%

### Herbicides

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
2,4-D	20.2	<0.10	99.9%
2,4-DB	30.3	<0.10	99.9%
2,4,5-T	150.2	<0.10	99.9%
2,4,5-TP	20.2	<0.10	99.9%
3,5-Dichlorobenzoic	25.2	<0.10	99.9%
Acifluoren	42.3	<0.10	99.9%
Bentazon	40.4	<0.10	99.9%
Chloramben	30.4	<0.10	99.9%
DCP A	42.1	<0.10	99.9%
Dicamba	150.1	<0.10	99.9%
Diclorprop	150.5	<0.10	99.9%
Dinosep	50.8	<0.10	99.9%
Glyphosate	804.1	<0.10	99.9%
Pentachlorophenol	21.3	<0.10	99.9%
Picloram	41.2	<0.10	99.9%
Quinclorac	41.7	<0.10	99.9%

## Pesticides

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
2,4-D	50.1	<0.10	99.9%
Alachlor	502	<0.10	99.9%
Aldrin	46.5	<0.10	99.9%
Alpha-BHC	48	<0.10	99.9%
Atrazine	101.4	<0.10	99.9%
Beta-BHC	48.5	<0.10	99.9%
Bromacil	50.3	<0.10	99.9%
Butachlor	50.3	<0.10	99.9%
Butylate	44.5	<0.10	99.9%
Carbofuran	80.2	<0.10	99.9%
Chlorneb	50.5	<0.10	99.9%
Chlorprophane	52.5	<0.10	99.9%
Chlorpyriphos	50.6	<0.10	99.9%
Chlorthalonil	51.2	<0.10	99.9%
Cis-Chlordane	50.8	<0.10	99.9%
Cyanizine	50.5	<0.10	99.9%
Delta-BHC	50.4	<0.10	99.9%
Dichlorvos	52.4	<0.10	99.9%
Dieldrin	47.5	<0.10	99.9%
Diphenamid	51.0	<0.10	99.9%
Disulfoton	50.7	<0.10	99.9%
Endosulfan I	42.9	<0.10	99.9%
Endosulfan II	31.2	<0.10	99.9%
Endosulfan Sulfate	51.5	<0.10	99.9%
Endrin	62.8	<0.10	99.9%
Endrin Aldehyde	45.1	<0.10	99.9%
Endrin Ketone	48.3	<0.10	99.9%
Ethoprop	50.8	<0.10	99.9%
Fenamiphos	52.0	<0.10	99.9%
Fenarimol	0.20	<0.10	99.9%
Fluoridone	50.5	<0.10	99.9%
Gamma-BHC (Lindane)	50.2	<0.10	99.9%
Heptachlor	48.4	<0.10	99.9%
Heptachlor Epoxide	50.5	<0.10	99.9%
Hexachlorobenzene	50.5	<0.10	99.9%
Hexachlorocyclopentadiene	54.0	<0.10	99.9%
Methoxychlor	50.1	<0.10	99.9%
Metolachlor	50.2	<0.10	99.9%
Metribuzin	51.8	<0.10	99.9%
Molinate	51.8	<0.10	99.9%
p,p'-DDD	44.2	<0.10	99.9%
p,p'-DDE	56.2	<0.10	99.9%
p,p'-DDT	60.5	<0.10	99.9%
PCB's	10.2	<0.10	99.9%
Propachlor	52.2	<0.10	99.9%
Simazine	50.0	<0.10	99.9%
Toxaphene	15.2	<0.10	99.9%
Trans-Chlordane	49.5	<0.10	99.9%

## Semi-Volatile Compounds

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
1,2-Dichlorobenzene	50.4	<0.10	99.9%
1,2,4-Trichlorobenzene	48.8	<0.10	99.9%
1,3-Dichlorobenzene	50.4	<0.10	99.9%
1,4-Dichlorobenzene	49.5	<0.10	99.9%
2-Chloronaphthalene	50.1	<0.10	99.9%
2-Chlorophenol	50.9	<0.10	99.9%
2-Nitrophenol	49.8	<0.10	99.9%
2,2-Dimethylphenol	48.1	<0.10	99.9%
2,2-Oxybis(1-chloropropane)	49	<0.10	99.9%
2,4-Dichlorophenol	48.4	<0.10	99.9%
2,4-Dinitrophenol	50	<0.10	99.9%
2,4-Dinitrotoluene	49.2	<0.10	99.9%
2,4,6-Trichlorophenol	50	<0.10	99.9%
2,6-Dinitrotoluene	46.6	<0.10	99.9%
4-Bormophenyl phenyl	46.8	<0.10	99.9%
4-Chloro-3-methylphenol	49.1	<0.10	99.9%
4-Chlorophenyl phenyl	49.8	<0.10	99.9%
4-Nitrotoluene	47.5	<0.10	99.9%
Acenaphthene	52	<0.10	99.9%
Acenaphthylene	49	<0.10	99.9%
Anthracene	49.8	<0.10	99.9%
Benzo(a) anthracene	50.3	<0.10	99.9%
Benzo(a) pyrene	50.6	<0.10	99.9%
Benzo(b) fluoranthene	52.3	<0.10	99.9%
Benzo(g,h,i) perylene	50.7	<0.10	99.9%
Benzo(k) fluoranthene	52.3	<0.10	99.9%
Benzyl butyl phthalate	50.9	<0.10	99.9%
Bis(2-chloroethoxy)methane	50	<0.10	99.9%
Bis(2-chloroethyl) ether	49.5	<0.10	99.9%
Bis(2-ethylhexyl) phthalate	52	<0.10	99.9%
Chrysene	50.3	<0.10	99.9%
Dalapon	270.5	<0.10	99.9%
Di-n-butylphthalate	50.4	<0.10	99.9%
Di-n-octyl phthalate	53.2	<0.10	99.9%
Dibenzo(a,h)anthracene	50.5	<0.10	99.9%
Diethylphthalate	49.2	<0.10	99.9%
Dimethylphthalate	50.9	<0.10	99.9%
Dinitro-o-cresol	48.2	<0.10	99.9%
Diphenylamine	51	<0.10	99.9%
Fluoranthene	50.4	<0.10	99.9%
Fluorene	47.9	<0.10	99.9%
Haxachlorobenzene	46.8	<0.10	99.9%
Hexachlorobutadiene	52	<0.10	99.9%
Hexachlorocyclopentadiene	50.7	<0.10	99.9%
Hexachloroethane	49.1	<0.10	99.9%
Indeno(1,2,3-cd) pyrene	50.2	<0.10	99.9%
Isophrone	50	<0.10	99.9%
N-Nitroso-di-n-propylamine	49.5	<0.10	99.9%
N-Nitrosodimethylamine	50.2	<0.10	99.9%
Naphthalene	48	<0.10	99.9%
Nitrobenzene	48.3	<0.10	99.9%
Pentachlorophenol	50.3	<0.10	99.9%
Phenanthrene	49.9	<0.10	99.9%
Phenol	50.9	<0.10	99.9%
Pyrene	49.7	<0.10	99.9%

## Volatile Organic Compounds (VOCs)

Contaminant	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
1, 1-Dichloroethane	90.18	<0.10	99.9%
1, 1-Dichloropropane	9.86	<0.10	99.9%
1, 1, 2-Trichloroethane	110	<0.10	99.9%
1, 1, 2, 2-Tetrachloroethane	80.2	<0.10	99.9%
1, 2-Dibromo-3-Chloropropane	50.4	<0.10	99.9%
1, 2-Dichlorobenzene	80.2	<0.10	99.9%
1, 2-Dichloroethane	88.2	<0.10	99.9%
1, 2-Dichloropropane	80.2	<0.10	99.9%
1, 2, 3-Trichlorobenzene	14.2	<0.10	99.9%
1, 2, 3-Trichloropropane (TCP)	20.21	<0.10	99.9%
1, 2, 4-Trichlorobenzene	14.7	<0.10	99.9%
1, 2, 4-Trimethylbenzene	10.89	<0.10	99.9%
1, 3-Dichlorobenzene	40.2	<0.10	99.9%
1, 3-Dichloropropane	90.26	<0.10	99.9%
1, 3, 5-Trimethylbenzene	9.4	<0.10	99.9%
1, 4-Dichlorobenzene	40.2	<0.10	99.9%
1,1-Dichloro-2-propanone	8.1	<0.10	99.9%
1,1,1-Trichloro-2-propanone	14.2	<0.10	99.9%
2-Chlorotoluene	10.08	<0.10	99.9%
2, 2-Dichloropropane	10.2	<0.10	99.9%
4-Chlorotoluene	10.9	<0.10	99.9%
4-Isopropyltoluene	10.3	<0.10	99.9%
Benzene	80.5	<0.10	99.9%
Bromoacetonitrile	20	<0.10	99.9%
Bromobenzene	12.5	<0.10	99.9%
Bromochloromethane	80.98	<0.10	99.9%
Bromodichloromethane	112	<0.10	99.9%
Bromoform	111.93	<0.10	99.9%
Bromomethane	20.53	<0.10	99.9%
Carbon Tetrachloride	89.5	<0.10	99.9%
Chlorobenzene	78.2	<0.10	99.9%
Chlorodibromomethane	110.52	<0.10	99.9%
Chloroethane	28.1	<0.10	99.9%
Chloroform	112.72	<0.10	99.9%
Chloromethane	52.3	<0.10	99.9%
cis-1, 2-Dichloroethene	180.2	<0.10	99.9%
cis-1, 3-Dichloropropene	80.5	<0.10	99.9%
Dibromoacetonitrile	24.6	<0.10	99.9%
Dibromomethane	18.05	<0.10	99.9%
Dichloroacetonitrile	9.9	<0.10	99.9%
Ethylbenzene	88.2	<0.10	99.9%
Ethylene Dibromide (EDB)	44.5	<0.10	99.9%
Flourotrichloromethane	28.1	<0.10	99.9%
Hexachlorobutadiene	44.9	<0.10	99.9%
Isopropylbenzene	6.8	<0.10	99.9%
m and p-Xylene	80.3	<0.10	99.9%
Methylene Chloride	20.02	<0.10	99.9%
MTBE	15	<0.10	99.9%
n-Butylbenzene	11.5	<0.10	99.9%
n-propylbenzene	9.3	<0.10	99.9%
Naphthalene	160.2	<0.10	99.9%
o-Xylene	40.2	<0.10	99.9%
sec-Butylbenzene	8.85	<0.10	99.9%
Styrene	150	<0.10	99.9%
Tert-Butylbenzene	10.14	<0.10	99.9%
Tetrachloroethene	84.6	<0.10	99.9%
Toluene	78.2	<0.10	99.9%
Total Trihalomethanes	447.17	<0.10	99.9%
trans-1, 3-Dicloropropene	80.95	<0.10	99.9%
Trichloroacetonitrile	15	<0.10	99.9%
Trichloroethene	180.05	<0.10	99.9%
Vinychloride	40.2	<0.10	99.9%