Performance Data for the Clearly Filtered 3 Stage Filtration System

PRODUCT TYPE
Under Sink, Plumbed-In

RATED CAPACITY
2000 Gallons (7500 L)

TESTING COMPLETED
4/17/2018

REPLACEMENT ELEMENT
Model CF-UTSF

OPERATED TEMPERATURES
38-85°F (4-30°C)

MANUFACTURED BY
Clearly Filtered, Inc.
Rancho Santa Margarita, CA
877-876-2740

Testing performed by Quality Filter Testing Laboratory, LLC (formally Envirotek Laboratories) an independent NELAC & ANSI accredited laboratory EPA-ID#: NJ01298. www.enviroteklab.com 856-478-0010 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.

Fluoride

Contaminant Tested	Challenge Water (mg/L)	Filtered Water (mg/L)	% Removal
Sodium Fluoride 2 ppm	2.14	.2	90.7

Perfluorinated Chemicals

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
Fluorotelomer alcohol 8:2	1.04	<0.002	>99.8%
Perfluorobutane sulfonate (PFBS)	1.04	<0.002	>99.8%
Perfluorodecanoic acid	0.52	<0.002	>99.6%
Perfluorohexane sulfonate	1.04	<0.002	>99.8%
Perfluorohexanoic acid	0.52	<0.002	>99.6%
Perfluorononanoic acid (PFNA)	0.52	<0.002	>99.6%
Perfluorooctane sulfonate (PFOS)	1.04	<0.002	>99.8%
Perfluorooctanoic acid (PFOA)	0.52	<0.002	>99.6%
Polytetrafluoroethylene	1.04	<0.002	>99.8%

Heavy Metals

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
Aluminum	202	9.6	95.2%
Arsenic	50.6	2.9	94.3%
Barium	929	1.5	99.8%
Beryllium	50.1	<1	>98.0%
Cadmium	30.4	<1	>96.7%
Chromium (hexavalent)	302	1.7	99.4%
Copper	3025	107	96.5%
Iron	3030	88.4	97.1%
Lead	151	1.6	98.9%
Manganese	1002	<1	>99.9%
Mercury (inorganic)	6.1	<0.5	>91.8%
Nickel	104	1.5	98.6%
Zinc	102	1	99.0%

Pharmaceutical Drugs

Contaminant Tested	Challenge Water (ng/L)	Filtered Water (ng/L)	% Removal
17-beta-Estradiol	1.99	<0.02	>99.0%
4-para-Nonylphenol	2.3	<0.02	>99.1%
4-tert-Octylphenol	2.05	0.2	90.2%
4-Tert-Octylphenol	1.42	<0.02	>98.6%
Acetaminophen	2.41	<0.02	>99.2%
Bisphenol A	2.02	<0.02	>99.0%
Caffeine	1.83	<0.02	>98.9%
Carbamazepine	1.43	<0.02	>98.6%
Ciprofloxacin	2.6	<0.02	>99.2%
Diclofenac Sodium	1.9	<0.02	>98.9%
Erythromycin	1.4	<0.02	>98.6%
Estrone	0.23	<0.02	>91.3%
Ethinyl estradiol	2.15	<0.02	>99.1%
Fluoxetine	1.91	<0.02	>99.0%
Gemfibrozil	1.94	<0.02	>99.0%
Ibuprofen	0.46	<0.02	>95.7%
Meprobamate	0.43	<0.02	>95.3%
Naproxen	0.21	<0.02	>90.5%
Primidone	1.97	<0.02	>99.0%
Progesterone	2.08	0.22	89.4%
Sulfamethoxazole	1.96	<0.02	>99.0%
Testosterone	1.44	0.3	79.2%
Triclosan	1.25	<0.02	>98.4%
Trimethoprim	0.2	<0.02	>90.0%

Radiological Elements

Contaminant Tested	Challenge Water (mCi/L)	Filtered Water (mCi/L)	% Removal
Gross Alpha (Thorium 230)	263	1.2	99.5%
Gross Beta (Cesium 137)	51	1.3	97.5%

Chemical Disinfectants

Contaminant Tested	Challenge Water (mg/L)	Filtered Water (mg/L)	% Removal
Chlorine 2 ppm	2.12	0.03	98.6%
Chloramine 3 ppm	2.98	0.14	95.3%

Volatile Organic Compounds (VOCs)/ Chemicals

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
1, 1-Dichloroethane	92.8	<0.1	>99.9%
1, 1-Dichloroethene	77.8	<0.1	>99.9%
1, 1-Dichloropropane	8.65	<0.1	>99.8%
1, 1, 1-Trichloroethane	84.8	<0.1	>99.9%
1, 1, 2-Trichloroethane	110.2	<0.1	>99.9%
1, 1, 2, 2-Tetrachloroethane	81.2	<0.1	>99.9%
1, 2-Dichloroethane	88.5	<0.1	>99.9%
1, 2-Dichloropropane	80.1	<0.1	>99.9%
1, 2, 3-Trichlorobenzene	14.2	<0.1	>99.3%
1, 2, 3-Trichloropropane	19.2	<0.1	>99.5%
1, 2, 4-Trichlorobenzene	13.6	<0.1	>99.3%
1, 2, 4-Trimethylbenzene	9.89	<0.1	>99.0%
1, 3-Dichloropropane	92.2	<0.1	>99.9%
1, 3, 5-Trimethylbenzene	9.4	<0.1	>99.9%
1,1-Dichloro-2-propanone	7.53	<0.1	>98.7%
1,1,1-Trichloro-2-propanone	14.2	<0.1	>99.3%
2, 2-Dichloropropane	10	<0.1	>99.0%
4-Isopropyltoluene	10.3	<0.1	>99.0%
Benzene	80	<0.1	>99.9%
Bromoacetonitrile	22.5	<0.1	>99.6%
Bromobenzene	12.5	<0.1	>99.2%
Bromochloromethane	79.8	<0.1	>99.9%
Bromodichloromethane	84	<0.1	>99.9%
Bromoform	84.9	<0.1	>99.9%
Bromomethane	22.3	<0.1	>99.6%
Carbon Tetrachloride	88	<0.1	>99.9%
Chlorodibromomethane	80.5	<0.1	>99.9%
Chloroethane	28.1	<0.1	>99.6%
Chloroform	85.7	1.39	>98.4%
Chloromethane	52.2	<0.1	>99.8%
cis-1, 2-Dichloroethene	181	<0.1	>99.9%
cis-1, 3-Dichloropropene	79.5	<0.1	>99.9%
Dibromo-3-Chloropropane	50.2	<0.1	>99.8%
Dibromoacetonitrile	24.6	<0.1	>99.6%
Dibromomethane	18.5	<0.1	>99.5%
Dichloroacetonitrile	9.92	<0.1	>99.0%
Dichloromethane (methylene chloride)	18.2	<0.1	>99.5%
Ethylbenzene	88.2	<0.1	>99.9%
Ethylene Dibromide (EDB)	44.8	<0.1	>99.8%
Flourotrichloromethane	28.3	<0.1	>99.6%
Hexachlorobutadiene	44.2	<0.1	>99.8%
Isopropylbenzene	6.78	<0.1	>98.5%
m-Dichlorobenzene	40.2	<0.1	>99.8%
m-Xylene	80.3	<0.1	>99.9%
Monochlorobenzene (chlorobenzene)	77.2	<0.1	>99.9%
MTBE	73.4	<0.1	>99.9%
n-Butylbenzene	10	<0.1	>99.0%
n-Propylbenzene	9.37	<0.1	>99.9%
Naphthalene	160	<0.1	>99.9%
o-Chlorotoluene	10	<0.1	>99.0%
o-Dichlorobenzene	80	<0.1	>99.9%
o-Xylene	40.2	<0.1	>99.8%
p-Chlorotoluene	10.9	<0.1	>99.1%
p-Dichlorobenzene	40	<0.1	>99.8%
p-Xylene	80.3	<0.1	>99.9%
sec-Butylbenzene	7.86	<0.1	>98.7%
Styrene	150	<0.1	>99.9%
Tert-Butylbenzene	10.1	<0.1	>99.0%
Tetrachloroethene	85.6	<0.1	>99.9%
Toluene	78.3	<0.1	>99.9%
Total Trihalomethanes (TTHMs)	335	1.39	99.6%
trans-1, 2-Dichloroethene	78.4	<0.1	>99.9%
trans-1, 3-Dicloropropene	79.9	<0.1	>99.9%
Trichloroacetonitrile	15	<0.1	>99.3%
Trichloroethene	180	<0.1	>99.9%
Viny Chloride	43.3	<0.1	>99.8%
Xylenes (total)	40.2	<0.1	>99.8%

Semi VOCs

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
1,2,4-Trichlorobenzene	48.4	<0.1	>99.8%
2-Chloronaphthalene	49.4	<0.1	>99.8%
2-Chlorophenol	49.5	<0.1	>99.8%
2-Nitrophenol	48.8	<0.1	>99.8%
2,2-Dimethylphenol	48.1	<0.1	>99.8%
2,2-Oxybis(1-chloropropane)	49.4	<0.1	>99.8%
2,4-Dichlorophenol	48.9	<0.1	>99.8%
2,4-Dinitrophenol	50	<0.1	>99.8%
2,4-Dinitrotoluene	49.2	<0.1	>99.8%
2,4,6-Trichlorophenol	50	<0.1	>99.8%
2,6-Dinitrotoluene	46.5	<0.1	>99.8%
4-Bormophenyl phenyl ether	47.8	<0.1	>99.8%
4-Chloro-3-methylphenol	49.6	<0.1	>99.8%
4-Chlorophenyl phenyl ether	49.8	<0.1	>99.8%
4-Nitrotoluene	47.5	<0.1	>99.8%
Acenaphthene	35.9	<0.1	>99.7%
Acenaphthylene	50.1	<0.1	>99.8%
Anthracene	49.8	<0.1	>99.8%
Benzo[a]anthracene	50.3	<0.1	>99.8%
Benzo[a]pyrene	50.5	<0.1	>99.8%
Benzo[b]fluoranthene	52.3	<0.1	>99.8%
Benzo[g,h,i]perylene	50.2	<0.1	>99.8%
Benzo[k]fluoranthene	52.3	<0.1	>99.8%
Bis(2-chloroethoxy)methane	47.1	<0.1	>99.8%
Bis(2-chloroethyl) ether	51.8	<0.1	>99.8%
Chrysene	50.5	<0.1	>99.8%
Dibenzo[a,h]anthracene	50.3	<0.1	>99.8%
Dinitro-o-cresol	48.5	<0.1	>99.8%
Diphenylamine	73.2	<0.1	>99.8%
Fluoranthene	50.4	<0.1	>99.8%
Fluorene	47.8	<0.1	>99.8%
Hexachlorocyclopentadiene	50.9	<0.1	>99.8%
Hexachloroethane	48.4	<0.1	>99.8%
Indeno[1,2,3-cd]pyrene	50.8	<0.1	>99.8%
Isophorone	48.8	<0.1	>99.8%
N-Nitroso-di-n-propylamine	50.2	<0.1	>99.8%
N-Nitrosodimethylamine	50.6	<0.1	>99.8%
Nitrobenzene	48.9	<0.1	>99.8%
m-Dichlorobenzene	49.8	<0.1	>99.8%
o-Dichlorobenzene	49.8	<0.1	>99.8%
p-Dichlorobenzene	50	<0.1	>99.8%
Pentachlorophenol	50.3	<0.1	>99.8%
Phenantherene	49.8	<0.1	>99.8%
Phenols	50.9	<0.1	>99.8%
Pyrene	49.6	<0.1	>99.8%

Herbicides

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
2,4-DB	32.7	<0.1	>99.7%
2,4,5-T	150.9	<0.1	>99.9%
2,4,5-TP	17.6	<0.1	>99.4%
3,5-Dichlorobenzoic	28.9	<0.1	>99.7%
Acifluoren	42.7	<0.1	>99.8%
Bentazon	38.5	<0.1	>99.7%
Chloramben	28.1	<0.1	>99.6%
Dalapon	270.4	<0.1	>99.9%
DCPA	43.5	<0.1	>99.8%
Dicamba	150.7	<0.1	>99.9%
Dichlorprop	150.2	<0.1	>99.9%
Dinoseb	52.9	<0.1	>99.8%
Picloram	39	<0.1	>99.7%
Quinclorac	43.5	<0.1	>99.8%

Pesticides

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
2,4-D	50.1	<0.1	>99.8%
Alachlor (Lasso)	502	<0.1	>99.9%
Aldrin	48.5	<0.1	>99.8%
Alpha-BHC	50	<0.1	>99.8%
Atrazine	98.4	<0.1	>99.9%
Beta-BHC	49.5	<0.1	>99.8%
Bromacil	50.1	<0.1	>99.8%
Butachlor	50.2	<0.1	>99.8%
Butylate	42.5	<0.1	>99.8%
Carbofuran	80.4	<0.1	>99.9%
Chlordane	50.5	<0.1	>99.8%
Chlorneb	50.5	<0.1	>99.8%
Chlorprophane	52.5	<0.1	>99.8%
Chlorpyrifos	50.2	<0.1	>99.8%
Chlorothalonil	51.2	<0.1	>99.8%
Cis-Chlordane	50.5	<0.1	>99.8%
Cyanazine (Bladex)	50.5	<0.1	>99.8%
Delta-BHC	50.4	<0.1	>99.8%
Dichlorvos	51.4	<0.1	>99.8%
Dieldrin	48.5	<0.1	>99.8%
Diphenamid	49	<0.1	>99.8%
Disulfoton	50.2	<0.1	>99.8%
Endosulfan I	42.9	<0.1	>99.8%
Endosulfan II	41.2	<0.1	>99.8%
Endosulfan Sulfate	51.5	<0.1	>99.8%
Endrin	62.1	<0.1	>99.8%
Endrin Aldehyde	45.1	<0.1	>99.8%
Endrin Ketone	50.3	<0.1	>99.8%
Ethoprop	50.4	<0.1	>99.8%
Fenamiphos	52.1	<0.1	>99.8%
Fenarimol	50	<0.1	>99.8%
Fluoridone	50.1	<0.1	>99.8%
Glyphosate	804	<0.1	>99.9%
Heptachlor	48.4	<0.1	>99.8%
Heptachlor Epoxide	50.2	<0.1	>99.8%
Hexachlorobenzene (HCB)	50.3	<0.1	>99.8%
Lindane	50.2	<0.1	99.8%
Methoxychlor	50.1	<0.1	>99.8%
Metolachlor	50.2	<0.1	>99.8%
Metribuzin	50.8	<0.1	>99.8%
Molinate	51.1	<0.1	>99.8%
p,p'-DDD	44.1	<0.1	>99.8%
p,p'-DDE	56.2	<0.1	>99.8%
p,p'-DDT	60.5	<0.1	>99.8%
Polychlorinated biphenyls (PCBs)	10.4	<0.1	>99.0%
Propachlor	50.2	<0.1	>99.8%
Simazine	50.5	<0.1	>99.8%
Toxaphene	15.1	<0.1	>99.3%
Trans-Chlordane (Nonachlor)	50.1	<0.1	>99.8%

Phthalates

Contaminant Tested	Challenge Water (µg/L)	Filtered Water (µg/L)	% Removal
Benzyl butyl phthalate	50.9	<0.1	>99.8%
Bis(2-ethylhexyl) phthalate	52.6	<0.1	>99.8%
Di-n-butyl phthalate	50.3	<0.1	>99.8%
Di-n-octyl phthalate	50.1	<0.1	>99.8%
Diethyl Phthalate	50.1	<0.1	>99.8%
Dimethyl Phthalate	49.2	<0.1	>99.8%