

Performance Data for the Epic Water Filters In-Line Refrigerator Water Filter

Replacement	Product Type	Capacity	Operating Tempertures
EW-HOME-ILN-X01	In-Line Filter	365 Gallons (1382 L)	38-85 F (4-30 C)
Testing Date: Feb 25th, 2020	Manufactured by Epic Water Filters, Inc. www.epicwaterfilters.com Boulder, CO USA 720-600-0371		

Testing performed under NSF/ANSI Standards 42, 53, P231 & 401. This filter has been tested according to NSF/ANSI 42, 53, P231 & 401. for the reduction of substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permittable limit for the water leaving the filter as specified in NSF/ANSI 42, 53, P231 & 401. Additional testing has been performed for the removal or reduction of haloacetic acids & perfluorinated compounds (PFOA, PFOS).

Chemical Additives NSF/ANSI 42/53

Contaminant	Influent Water (mg/L)	Filtered Water (mg/L)	% Removal
Chlorine	1.9 mg/L	0.1	96%
Nitrate	27. mg/L	5.6	79.26%

Heavy Metals NSF/ANSI 42/53

Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Aluminum	149	1.8	98.79%
Arsenic	20	3.4	83%
Barium	7825	1209	84.55%
Beryllium	40.2	0.3	99.25%
Cadmium	30.2	<1	96.70%
Chromium 6	250	3.5	98.60%
Copper	2965	26.1	99.12%
Iron	282	3.7	98.69%
Lead	112	1.7	98.48%
Mercury	6.1	0.1	98.39%
Zinc	10.9	1.8	83.49%

Volatile Organic Compounds NSF/ANSI 53

Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Chloromethane	40.4	<0.1	>99.75%
Vinylchloride	36.5	<0.1	>99.73%
2, 2-Dichloroethane	45.9	0.7	>98.47%
Flourotrichloromethane	44.7	<0.1	>99.78%
1, 1-Dichloroethene	42.6	<0.1	>99.77%
Methylene Chloride	18.2	0.2	98.90%
trans-1, 2-Dichloroethene	38.1	<0.1	>99.4%
MTBE	52	<0.1	>99.81%
1, 1-Dichloroethane	48.7	0.2	>99.59%
cis-1, 2-Dichloroethene	48.7	0.1	>99.79%
Carbon Tetrachloride	48.8	<0.1	>99.80%
1, 1, 1-Trichloroethane	49.9	0.6	98.80%
1, 1-Dichloropropane	43.8	<0.1	>99.77%
Benzene	45.7	<0.1	>99.78%

Pesticides NSF/ANSI 53

Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Alachlor	47.49	<0.01	>99.98%
Hexachlorobenzene	51.98	<0.01	>99.98%
Delta-BHC	49.79	<0.01	>99.98%
Propachlor	47.63	<0.01	>99.98%
Molinate	48.94	<0.01	>99.98%
Alpha-BHC	49.79	<0.01	>99.98%
Beta-BHC	51.63	<0.01	>99.98%
Gamma-BHC (Lindane)	48.5	<0.01	>99.98%
Atrazine	51.25	<0.01	>99.98%
Simazine	49.1	<0.01	>99.98%
Metribuzin	43.69	<0.01	>99.98%
Heptachlor	44.43	<0.01	>99.98%
Metolachlor	28.23	<0.01	>99.98%
Butylate	45.22	<0.01	>99.98%
Aldrin	47.40	<0.01	>99.98%
Heptachlor Epoxide	44.1	<0.01	>99.98%
Trans-Chlordane (Nonachlor)	29.45	<0.01	>99.98%
Butachlor	52.81	<0.01	>99.98%
Endosulfan I	46.28	<0.01	>99.98%
Cis-Chlordane	51.5	<0.01	>99.98%
p,p'-DDE	62.93	<0.01	>99.98%
Dieldrin	43.68	<0.01	>99.98%
Endosulfan II	47.06	<0.01	>99.98%
Endrin Aldehyde	44.96	<0.01	>99.98%
p,p'-DDT	50.74	<0.01	>99.98%
Endosulfan Sulfate	50.18	<0.01	>99.98%
Endrin Ketone	44.96	<0.01	>99.98%
Cyanazine	47.25	<0.01	>99.98%
Fenarimol	44.94	<0.01	>99.98%
Methoxychlor	49.36	<0.01	>99.98%
Bromacil	45.77	<0.01	>99.98%

1, 2-Dichloroethane	51.2	<0.1	>99.80%
Trichloroethene	47.7	<0.1	>99.79%
1, 2-Dichloropropane	50.1	0.1	>99.80%
cis-1, 3-Dichloropropene	51.1	<0.1	>99.8%
Toluene	56.2	1	98.40%
trans-1, 3-Dicloropropene	53.4	<0.1	>99.81%
Tetrachloroethene	48.2	<0.1	99.79%
1, 1, 2-Trichloroethane	53.5	<0.1	99.81%
1, 3-Dichloropropane	50	<0.1	>99.80%
1,4-Dioxane	49.7	<0.1	>99.80
Ethylbenzene	52.4	<0.1	>99.81%
Chlorobenzene	53.3	<0.1	>99.81%
m and p-Xylene	54.4	<0.1	>99.82%
o-Xylene	54.5	<0.1	>99.82%
Styrene	71.4	0.3	99.58%
Isopropylbenzene	55.3	<0.1	>99.82%
n-propylbenzene	54.4	<0.1	>99.82%
Bromochloromethane	47.6	<0.1	99.79%
Bromobenzene	57.8	<0.1	>99.83%
2-Chlorotoluene	56.4	<0.1	>99.82
1, 2, 3-Trichloropropane	55.5	<0.1	>99.82%
4-Chlorotoluene	56.3	<0.1	>99.82%
Tert-Butylbenzene	55.9	<0.1	>99.82%
1, 2, 4-Trimethylbenzene	55.5	<0.1	>99.82%
1, 3-Dichlorobenzene	57.8	<0.1	>99.83%
1, 4-Dichlorobenzene	60.5	<0.1	>99.83%
n-Butylbenzene	56.1	<0.1	>99.82%
1, 2-Dichlorobenzene	59.1	<0.1	>99.83%
Hexachlorobutadiene	57.9	<0.1	>99.83%
1, 2, 4-Trichlorobenzene	63.8	<0.1	>99.84%
Naphthalene	49.34	<0.01	99.98%
1, 2, 3-Trichlorobenzene	65.7	<0.1	>99.85%
Di-n-Butylphthalate	44.86	<0.01	>99.98%
EPTC	49.34	<0.01	>99.98%
Vernolate	49.27	<0.01	>99.98%
Tridemefon	45.55	<0.01	>99.98%
Volatile Organic Compounds NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
MGK 264- Isomer a	47.32	<0.01	>99.98%
Pebulate	49.27	<0.01	>99.98%
Diphenamid	44.51	<0.01	>99.98%

Total Trihalomethanes NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Chloroform	80	18.4	77.00%
Bromodichloromethane	52.5	1.5	97.14%
Chlorodibromomethane	58.7	0.9	98.47
Bromoform	67.2	0.5	99.26%
Semi-Volatiles NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
DEET	2048	>0.01	100%
Isophrone	49.76	<0.1	>99.98%
Hexachlorocyclopentadiene	51.37	<0.01	>99.98%
Acenaphthylene	49.08	<0.01	>99.98%
Dimethylphthalate	49.97	<0.01	>99.98%
2,6-Dinitrotoluene	48.84	<0.01	>99.98%
1, 1, 2, 2-Tetrachloroethane	59	0.2	99.66
TCEP	5199	<0.01	100%
Phenytoin	2355	<0.01	100%
Herbicides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Dalapon	58	<0.01	>99.98%
3,5-Dichlorobenzoic	151	<0.01	>99.98%
Dicamba	139	<0.01	>99.98%
Diclorprop	222	<0.01	100.00%
2,4-D	681	<0.01	>99.98%
Pentachlorophenol	51.13	<0.01	>99.98%
2,4,5-T	237	<0.01	100.00%
Chloramben	125	<0.01	99.99%
2,4,5-TP	24	<0.01	99.96%
2,4-DB	170	<0.01	99.99%
Dinosep	24	<0.01	99.96%
Bentazon	552	<0.01	100.00%
Picloram	7	0.58	91.71
DCPA	279	<0.01	100.00%
Quinclorac	106	<0.01	99.99%
Acifluoren	102	<0.01	99.99%
Pharmaceuticals & Emerging Contaminants NSF/ANSI 401			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Bisphenol A	1936	<0.01	100%
Ibuprofen	526	<0.01	100%
Trimethoprim	143	<0.01	99.99%

Etridiazole	50.61	<0.01	>99.98%
Fluoranthene	48.02	<0.01	>99.98%
BHT	53.79	<0.01	>99.98%
Tebuthiuron	50.13	<0.01	>99.98%
2,4 Dinitrotoluene	49.42	<0.01	>99.98%
Cis-Chlordane	51.5	<0.01	>99.98%
Pyrene	49.14	<0.01	>99.98%
Diethylphthalate	45.98	<0.01	>99.98%
Napropamide	94.18	<0.01	>99.98%
Fluorene	49.68	<0.01	>99.98%
Endrin	44.96	<0.01	>99.98%
Cycloate	43.97	<0.01	>99.98%
Chlorpropham	49.79	<0.01	>99.98%
Trifluralin	57.48	<0.01	>99.98%
Oxyfluorfen	55.21	<0.01	>99.98%
Atraton	52.12	<0.01	>99.98%
Nitrofen	55.85	<0.01	>99.98%
Butylbenzylphthalate	49.5	<0.01	>99.98%
Prometon	332.94	<0.01	>99.98%
Norflurazon	55.6	<0.01	>99.98%
Propazine	50.26	<0.01	>99.98%
Bis Adipate	48.68	<0.01	>99.98%
Hexazinone	50.16	<0.01	>99.98%
Benzo(a) anthracene	53.99	<0.01	>99.98%
Phenanthrene	48.1	<0.01	>99.98%
Chrysene	48.7	<0.01	>99.98%
Anthracene	48.74	<0.01	>99.98%
Bis(2-ethylhexyl) phthalate	43.73	<0.01	>99.98%
Propyzimide	45.86	<0.01	>99.98%
Tebuconazole	52.05	<0.01	>99.98%
Terbacil	42.66	<0.01	>99.98%
Di-n-octyl phthalate	43.73	<0.01	>99.98%
Vinclozalin	48.73	<0.01	>99.98%
Benzo(b) Fluoranthene	48.62	<0.01	>99.98%
Simetryn	48.99	<0.01	>99.98%
Benzo(k) Fluoranthene	47.94	<0.01	>99.98%
Ametryn	56.93	<0.01	>99.98%
Benzo(a) pyrene	47.94	<0.01	>99.98%
Fluridone	59.68	<0.01	>99.98%
Prometryn	51.17	<0.01	>99.98%
Indeno Pyrene	49.81	<0.01	>99.98%

TCPP	4567	<0.01	100%%
Naproxen	105	<0.01	99.99%
Acetaminophen	1282	<0.01	100%
Ciprofloxacin	1372	9.67	99.30%
17-beta-Estradiol	1360	<0.01	100%
Caffeine	1297	80.53	>93.87%
Estrone	133	<0.01	>99.99%
Carbamazepine	1530	5.46	99.64%
Testosterone	1264	<0.01	100.00%
4-para-Nonylphenol	1359	<0.01	100%
Meprobamate	390	<0.01	100%
Atenolol	214	<0.01	100%
Linuron	137	<0.01	99.99%
Bentazon	552	<0.01	100.00%
Picloram	7	0.58	91.71
DCPA	279	<0.01	100.00%
Quinclorac	106	<0.01	99.99%
Acifluoren	102	<0.01	99.99%

Perfluorinated Compounds

Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Perfluorooctanoic Acid (PFOA)	0.51	0.01	98.04%
Perfluorooctanane Sulfonate (PFOS)	1.05	0.01	99.05%

Radiological Elements

Contaminant	Microplastics /L	Filtered Water (µg/L)	% Removal
Gross Alpha	75.0	0.06	99.92%
Plutonium 238/239	75.0	0.06	99.92%
Radium 226/228	75.0	0.06	99.92%
Thorium 230	75.0	0.06	99.92%
Uranium 235/238	75.0	0.06	99.92%
Gross Beta	75.0	0.03	99.96%
Cesium 137	75.0	0.03	99.96%
Cobalt 60	75.0	0.03	99.96%
Iodine 129/131	75.0	0.03	99.96%
Strontium 90	75.0	0.03	99.96%
Thorium 230	75.0	0.06	99.92%
Uranium 235/238	75.0	0.06	99.92%
Gross Beta	75.0	0.03	99.96%
Cesium 137	75.0	0.03	99.96%
Cobalt 60	75.0	0.03	99.96%
Iodine 129/131	75.0	0.03	99.96%
Strontium 90	75.0	0.03	99.96%

Dibenzo Anthracene	51.85	<0.01	>99.98%
Terbutryn	48.61	<0.01	>99.98%
Benzo Perylene	49.81	<0.01	>99.98%



CERTIFICATION OF RESULTS:

All analyses, and reporting performed herein, comply with all requirements set forth in N.J.A.C. 7:9E and N.J.A.C. 7:18, and hereby certify that this laboratory is in compliance with all laboratory certification and quality control procedures and requirements as set forth in N.J.A.C. 7:18; the NYCRR Subpart 55-2, the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards, the ISO 17025 and the Water Quality Association (WQA).