

Performance Data for the Epic Water Filters External Refrigerator Water Filter

Replacement	Product Type	Capacity	Operating Temperatures
EW-HOME-ILN-KIT	Inline Filter	360 Gallons (1381.6 L)	38-85 F (4-30 C)
Testing Completed: March 23, 2019		Manufactured by Epic Life, Inc. - www.epicwaterfilters.com - Boulder, CO USA 720-600-0371	

Testing performed under NSF/ANSI Standards 42, 53, & 401. This filter has been tested according to NSF/ANSI 42, 53, & 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 permissible limit for the water leaving the filter as specified in NSF/ANSI 42, 53, & 401.

Additional testing has been performed for the removal or reduction of perfluorinated compounds (PFOA, PFOS).

Chemical Additives NSF/ANSI 42/53			
Contaminant	Influent Water (mg/L)	Filtered Water (mg/L)	% Removal
Chlorine	1.85 mg/L	0.03	98.4%
Fluoride	4.71 mg/L	0.1	97.88%
Nitrate	27.5 mg/L	3.25	88.2%
Sulfate	750 mg/L	153	79.6%

Heavy Metals NSF/ANSI 42/53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Aluminum	202	47	76.70%
Arsenic	47.1	2.9	94%
Barium	1031	74.8	92.70%
Beryllium	50.1	<1	98.00%
Cadmium	30.2	<1	96.70%
Chromium 6	304	2.5	99.20%
Copper	3009	127	95.80%
Iron	3014	145	95.20%
Lead	0.01551	0.00001	99.94%
Manganese	1002	9	99.10%
Mercury	6.1	<0.5	91.80%
Zinc	104	7.9	92.40%

Volatile Organic Compounds NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Chloromethane	50.2	<0.5	>99%
Vinylchloride	43.5	<0.5	>98.9%
Bromomethane	22.3	<0.5	>97.8%
Chloroethane	28.1	<0.5	>98.2%
Fluorotrichlorometh	28.5	<0.5	>98.2%
1, 1-Dichloroethene	77	<0.5	>99.4%
Methylene Chloride	18.2	<0.5	>97.3%
trans-1, 2-Dichloroe	78.4	<0.5	>99.4%
MTBE	73.4	<0.5	>99.3%
1, 1-Dichloroethane	92.1	<0.5	>99.5%
cis-1, 2-Dichloroeth	181	<0.5	>99.7%

Pesticides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Alachlor	502	<0.1	>99.9%
Hexachlorobenzene	50.1	<0.1	>99.8%
Hexachlorocyclopentadiene	51	<0.1	>99.8%
Delta-BHC	50.1	<0.1	>99.8%
Propachlor	50.2	<0.1	>99.8%
Molinate	50.1	<0.1	>99.8%
Alpha-BHC	51	<0.1	>99.8%
Beta-BHC	50.2	<0.1	>99.8%
Gamma-BHC (Lindane)	50.2	<0.1	>99.8%
Atrazine	98.4	<0.1	>99.8%
Simazine	50	<0.1	>99.8%
Metribuzin	50.8	<0.1	>99.8%
Heptachlor	48.4	<0.1	>99.8%
Metolachlor	50.2	<0.1	>99.8%
Butylate	42.1	<0.1	>99.8%
2,4-D	50.1	<0.1	>99.8%
Aldrin	49.5	<0.1	>99.8%
Heptachlor Epoxide	50.5	<0.1	>99.8%
Trans-Chlordane (Nonachlo	50.5	<0.1	>99.8%
Butachlor	51.2	<0.1	>99.8%
Endosulfan I	42.9	<0.1	>99.8%
Cis-Chlordane	51.8	<0.1	>99.8%
p,p'-DDE	56.4	<0.1	>99.8%
Dieldrin	47.5	<0.1	>99.8%
Endrin	60.1	<0.1	>99.8%
Endosulfan II	40.2	<0.1	>99.8%
p,p'-DDD	44.1	<0.1	>99.8%
Endrin Aldehyde	45.1	<0.1	>99.8%
p,p'-DDT	60.2	<0.1	>99.8%
Endosulfan Sulfate	51.5	<0.1	>99.8%
Endrin Ketone	50.3	<0.1	>99.8%

Volatile Organic Compounds NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Carbon Tetrachloride	88.5	<0.5	>99.4%
1, 1, 1-Trichloroethane	84.8	<0.5	>99.4%
1, 1-Dichloropropane	8.8	<0.5	>94.3%
Benzene	80.5	<0.5	>99.4%
1, 2-Dichloroethane	88.2	<0.5	>99.4%
Trichloroethene	180	<0.5	>99.7%
Dibromomethane	18	<0.5	>97.2%
1, 2-Dichloropropane	80.1	<0.5	>99.4%
cis-1, 3-Dichloropropane	79.5	<0.5	>99.4%
Toluene	78.3	<0.5	>99.4%
trans-1, 3-Dichloropropane	79.5	<0.5	>99.4%
Tetrachloroethene	85.2	0.47	99.40%
1, 1, 2-Trichloroethane	110.2	<0.5	>99.5%
1, 3-Dichloropropane	92.2	<0.5	>99.5%
Ethylene Dibromide	44.8	<0.5	>98.9%
Ethylbenzene	88.2	<0.5	>99.4%
Chlorobenzene	77.2	<0.5	>99.4%
m and p-Xylene	80.3	<0.5	>99.4%
o-Xylene	40.2	<0.5	>98.8%
Styrene	150	<0.5	>99.7%
Isopropylbenzene	6.78	<0.5	>92.6%
n-propylbenzene	9.35	<0.5	>94.7%
2, 2-Dichloropropane	10.2	<0.5	>95.1%
Bromochloromethane	80.9	<0.5	>99.4%
Bromobenzene	12.1	<0.5	>95.9%
2-Chlorotoluene	10.4	<0.5	>95.2%
1, 2, 3-Trichloropropane	19.5	<0.5	>97.4%
4-Chlorotoluene	10.2	<0.5	>95.1%
Tert-Butylbenzene	10.4	<0.5	>95.2%
1, 2, 4-Trimethylbenzene	10.1	<0.5	>95.0%
sec-Butylbenzene	7.86	<0.5	>93.6%
4-Isopropyltoluene	10	<0.5	>95%
1, 3-Dichlorobenzene	40.2	<0.5	>98.8%
1, 4-Dichlorobenzene	40	<0.5	>98.8%
n-Butylbenzene	10.1	<0.5	>95%
1, 2-Dichlorobenzene	80.4	<0.5	>99.4%
Dibromo-3-Chloropropane	50.2	<0.5	>99%
Hexachlorobutadiene	44	<0.5	>98.9%
1, 2, 4-Trichlorobenzene	13.8	<0.5	>96.4%
Naphthalene	160	<0.5	>99.7%
1, 2, 3-Trichlorobenzene	14.4	<0.5	>96.5%

Pesticides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Carbofuran	80.4	<0.1	>99.9%
Chlorneb	50.5	<0.1	>99.8%
Chlorthalonil	51.4	<0.1	>99.8%
Chlorprophane	52.5	<0.1	>99.8%
Cyanazine	50.5	<0.1	>99.8%
Dichlorvos	51.4	<0.1	>99.8%
Diphenamid	50	<0.1	>99.8%
Disulfoton	50.2	<0.1	>99.8%
Fenamiphos	52.1	<0.1	>99.8%
Fenarimol	50	<0.1	>99.8%
Fluoridone	51.1	<0.1	>99.8%
Ethoprop	50.4	<0.1	>99.8%
Toxaphene	15.2	<0.1	>99.3%
PCB's	10.5	<0.1	>99%
Methoxychlor	51.1	<0.1	>99.8%
Bromacil	50.1	<0.1	>99.8%
Total Trihalomethanes NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Chloroform	84.2	3.97	95.3
Bromodichloromethane	82.5	<0.5	>99.4
Chlorodibromomethane	80.4	<0.5	>99.4
Bromoform	82.5	<0.5	>99.4
Semi-Volatiles NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
N-Nitrosodimethylamine	50.5	<0.1	>99.8%
Phenol	50.2	<0.1	>99.8%
Bis(2-chloroethyl) ether	50.8	<0.1	>99.8%
2-Chlorophenol	50.5	<0.1	>99.8%
1,3-Dichlorobenzene	51.3	<0.1	>99.8%
1,4-Dichlorobenzene	50	<0.1	>99.8%
1,2-Dichlorobenzene	49.8	<0.1	>99.8%
2,2-Oxybis(1-chloropropane)	51	<0.1	>99.8%
Hexachloroethane	50.1	<0.1	>99.8%
N-Nitroso-di-n-propylamine	48.8	<0.1	>99.8%
Nitrobenzene	60.5	3.9	93.60%
Isophrone	49.1	<0.1	>99.8%
2-Nitrophenol	49.8	0.5	99%
2,2-Dimethylphenol	49.1	1.5	96.90%
Bis(2-chloroethoxy)methane	47.8	<0.1	>99.8%
1,2,4-Trichlorobenzene	48.8	<0.1	>99.8%

Volatile Organic Compounds NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
1,1-Dichloro-2-prop	7.8	<0.5	>93.6%
1,1,1-Trichloro-2-pr	14.1	<0.5	>96.5%
Dichloroacetonitrile	9.9	<0.5	>94.9%
Trichloroacetonitrile	15	<0.5	>96.7%
Bromoacetonitrile	22	<0.5	>97.7%
Dibromoacetonitrile	24.5	<0.5	>98%
Pharmaceuticals & Emerging Contaminants NSF/ANSI 401			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Bisphenol A	2.02	<0.02	>99%
Ibuprofen	0.46	<0.02	>95.6%
Trimethoprim	0.2	<0.02	>90%
Naproxen	0.21	<0.02	>90.9%
Acetaminophen	2.42	<0.02	>99.2%
Ciprofloxacin	2.605	<0.02	>99.2%
Sulfamethoxazole	2.01	<0.02	>99%
17-beta-Estradiol	2.002	<0.02	>99%
Caffeine	1.845	<0.02	>98.9%
Fluoxetine	1.95	<0.02	>99%
Gemfibrozil	1.96	<0.02	>99%
Triclosan	1.27	<0.02	>98.4%
Estrone	0.25	<0.02	>91.3%
Diclofenac Sodium	1.94	<0.02	>98.9%
Primidone	1.99	<0.02	>99%
Carbamazepine	1.47	<0.02	>98.6%
Testosterone	1.46	<0.02	98.60%
Progesterone	2.09	<0.02	>99%
4-tert-Octylphenol	2.04	<0.02	>99%
17-alpha-Ethynylest	2.2	<0.02	>99.1%
4-para-Nonylphenol	2.3	<0.02	>99.1%
Meprobamate	0.45	<0.02	>95.6%
Erythromycin	1.42	<0.02	>98.6%
4-Tert-Octylphenol	1.47	<0.02	>98.6%

Semi-Volatiles NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
4-Chloro-3-methylphenol	51	<0.1	>99.8%
Hexachlorocyclopentadiene	50.6	<0.1	>99.8%
2,4,6-Trichlorophenol	50	2.7	94.6%
2-Chloronaphthalene	49.8	<0.1	>99.8%
Acenaphthylene	48.4	<0.1	>99.8%
Dimethylphthalate	49	2.5	94.90%
2,6-Dinitrotoluene	47.1	<0.1	>99.8%
Acenaphthene	36	<0.1	>99.7%
2,4-Dinitrophenol	50	6.5	87%
1, 1, 2, 2-Tetrachloroethane	81.2	<0.5	>99.8%
Naphthalene	47.1	<0.1	>99.8%
Hexachlorobutadiene	49.6	<0.1	>99.8%
Herbicides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Dalapon	270.4	<0.1	>99.9%
3,5-Dichlorobenzoic	29	<0.1	>99.6%
Dicamba	150.7	<0.1	>99.9%
Diclorprop	151	<0.1	>99.9%
2,4-D	20.2	<0.1	>99.5%
Pentachlorophenol	22.8	<0.1	99.6%
2,4,5-T	150.2	<0.1	>99.9%
Chloramben	28.8	<0.1	>99.6%
2,4,5-TP	17.4	<0.1	98.90%
2,4-DB	33.4	<0.1	>99.7%
Dinosep	52.5	<0.1	>99.8%
Bentazon	40.5	<0.1	>99.7%
Picloram	40.5	<0.1	>99.7%
DCPA	43.8	<0.1	>99.8%
Quinclorac	42.2	<0.1	>99.9%
Acifluoren	42.48	<0.1	>99.9%
Glyphosate	802	<0.1	>99.9%
Perfluorinated Compounds			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Perfluorooctanoic Acid (PFOA)	0.52	<0.002	>99.6%
Perfluorooctanane Sulfonate (PFOS)	1.04	<0.002	>99.8%



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, and the ISO 17025.