

Supplementary Performance Data for the Epic Water Filters Smart Shield

Replacement	Product Type	Capacity	Operating Temperatures
EWFESS4	Inline Filter	651 Gallons (2464 L)	33 - 100 F (4-30 C)
Testing Updated: 03/12/2020		Manufactured by Epic Water Filters 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, & 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 haloacetic acids, perfluorinated compounds & microplastics.

Micro-Organisms NSF/ANSI P231			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Pseudomonas aeruginosa	120,000,000	150	99.9999%
E. Coli	120,000,000	150	99.9999%
Perfluorinated Compounds			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Perfluorooctanoic Acid (PFOA)	0.5	0.03	94%
Perfluorooctane Sulfonate (PFOS)	1.04	0.03	98%
Volatile Organic Compounds NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
1,4-Dioxane	54.5	<0.1	>99.82%
Haloacetic Acids			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Monochloroacetic Acid	297.81	<0.01	<99.99%
Monobromoacetic Acid	434.01	<0.01	<99.99%
Dichloroacetic Acid	421.41	<0.01	<99.99%
Trichloroacetic Acid	399.53	<0.01	<99.99%
Bromochloroacetic Acid	465.74	<0.01	<99.99%
Dibromoacetic Acid	439.16	<0.01	<99.99%

Pesticides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
DDT	60.2	<0.1	99.8%
PCB's	10.4	<0.1	>99%
Chlorpyrifos	61.6	<0.5	>99.8%
Herbicides NSF/ANSI 53			
Contaminant	Influent Water (µg/L)	Filtered Water (µg/L)	% Removal
Glyphosate	802	<0.1	>99.9%
Microplastics			
Contaminant	Microplastics / L	Filtered Water (µg/L)	% Removal
Microplastics	266,800	1,080	99.6%
Radiological Elements			
Contaminant	Microplastics / L	Filtered Water (µg/L)	% Removal
Gross Alpha	75.7	0.02	99.97%
Plutonium 238/239	75.7	0.02	99.97%
Radium 226/228	75.7	0.02	99.97%
Thorium 230	75.7	0.02	99.97%
Uranium 235/238	75.7	0.02	99.97%
Gross Beta	74.1	0.05	99.93%
Cesium 137	74.1	0.05	99.93%
Cobalt 60	74.1	0.05	99.93%
Iodine 129/131	74.1	0.05	99.93%
Strontium 90	74.1	0.05	99.93%



ISO 17025
ACCREDITED
LABORATORY

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.