

Independent Perfluorinated Compounds Removal Study

Date: May 11th, 2018

Method: The conducted test study was performed to evaluate the provided purifier units' filtration efficacy as per the client requested and laboratory developed protocol. The protocol represents a challenge that is adapted from protocol NSF/ANSI for Perfluorinated Compounds (PFCs, PFOA, PFOS) reduction efficacy. 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/ANSI. For the study, challenge water was passed through the water pitcher. After 1, 25, 50, 100 gallons were passed through each filter, effluent samples were collected in appropriate containers, and stabilized according to method. Prepared test water characteristics were measured as per laboratory's accredited ISO17025:2005 methodology.

Filter Description: Epic Water Filters - Epic Pure Water Filter Pitcher

Water Contaminants Tested: Perfluorinated Compounds (PFOA & PFOS)

Results:

Perfluorooctanoic Acid (PFOA) - (µg/L) NSF/ANSI STANDARD						
Filter Description	Influent Concentration in ppm	1 Gal	25 Gal	50 Gal	100 Gal	Average Percent Removal
Pure Water Filter Pitcher by Epic Water Filters	0.52	0.002 (99.6%)	0.002 (99.6%)	0.002 (99.6%)	0.002 (99.6%)	99.6%

Perfluorooctanane Sulfonate (PFOS) - (µg/L) NSF/ANSI STANDARD						
Filter Description	Influent Concentration in ppm	1 Gal	25 Gal	50 Gal	100 Gal	Average Percent Removal
Pure Water Filter Pitcher by Epic Water Filters	1.04	<0.002 (99.8%)	<0.002 (99.8%)	<0.002 (99.8%)	<0.002 (99.8%)	99.8%

