ENVIROTEK LABORATORIES, INC.
Bordentown, New Jersey 08505
PHONE 856-583-0445 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 03048

TEST RESULTS

FOR

Propur Water Purification Systems

1200 BENSTEIN ROAD

COMMERCE TWP. MICHIGAN, 48390

Filter Element ProOne® G2.0

NSF Standard 53, and NSF Standard 42

Chemical Reduction Tests Results

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FILTER ELEMENT PROONE® G2.0 WATER TEST REPORT

Report # 17-147 (Filter Element ProOne® G2.0)
Report Date: 09/26/2017
Customer Name: Propur Water Purification Systems

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Filter Element ProOne® G2.0 Effluent Concentration in µg/L	% Reduction
Volatile Organic Contaminants in µg/L			
Dichlorodifluoromethane	80.5	<0.1	99.9+
Chloromethane	80.2	<0.1	99.9+
Vinylchloride	80.3	1.0	98.8
Bromomethane	80.5	0.2	99.8
Chloroethane	80.2	1.9	97.6
Trichlorofluoromethane	81.1	3.49	95.7
1,1-Dichloroethene	83.0	0.3	99.6
Methylene Chloride	81.2	1.7	97.9
trans-1,2-Dichloroehene	81.5	<0.1	99.9+
MTBE	81.5	3.0	96.3
1,1-Dichlorethane	82.2	<0.1	99.9+
cis-1,2-Dichloroethene	170.1	<0.1	99.9+
2,2-Dichloropropane	81.1	<0.1	99.9+
Bromochloromethane	80.0	<0.1	99.9+
Chloroform	80.1	1.4	98.3
Carbon Tetrachloride	81.0	<0.1	99.9+
1,1,1-Trichloroethane	81.2	<0.1	99.9+
1,1-Dichloropropene	81.2	<0.1	99.9+
Benzene	81.4	<0.1	99.9+
1,2-Dichloroethane	80.4	0.2	99.8
Trichloroethene	180.3	0.2	99.9
Dibromomethane	80.1	0.5	99.4
1,2-Dichloropropane	80.3	0.8	99.0
Bromodichloromethane	80.2	1.1	98.6
cis-1,3-Dichloropropene	50.2	0.2	99.6
Toluene	80.2	0.2	99.8
trans-1,3-Dichloropropene	81.0	<0.1	99.9+
Tetrachloroethene	80.1	<0.1	99.9+
1,1,2-Trichloroethane	150.3	<0.1	99.9+
Chlorodibromomethane	80.4	<0.1	99.9+
1,3-Dichloropropane	79.1	0.4	99.5
Ethylbenzene	82.0	0.7	99.1
Chlorobenzene	79.5	<0.1	99.9+
1,1,1,2-Tetrachloroethane	79.8	<0.1	99.9+
m-Xylene	70.1	<0.1	99.9+
o-Xylene	70.1	<0.1	99.9+
Styrene	80.0	<0.1	99.9+
Bromoform	80.2	0.8	99.0
Isopropylbenzene	80.3	<0.1	99.9+
n-Propylbenzene	80.2	<0.1	99.9+
Bromobenzene	80.0	<0.1	99.9+
1,1,2,2-Tetrachloroethane	81.0	<0.1	99.9+
1,3,5-Trimethylbenzene	80.1	<0.1	99.9+
2-Chlorotoluene	80.2	0.4	99.5
1,2,3-Trichloropropane	80.2	0.3	99.6
4-Chlorotoluene	80.2	0.4	99.5
tert-Butylbenzene	80.2	<0.1	99.9+
1,2,4-Trimethylbenzene	80.5	<0.1	99.9+
sec-Butylbenzene	80.3	<0.1	99.9+
4-Isopropyltoluene	80.2	0.2	99.8
1,3-Dichlorobenzene	80.1	<0.1	99.9+

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Pesticide Contaminants in µg/L			
Fluoridone	51.4	0.3	99.4
Gamma-BHC (Lindane)	2.1	<0.1	99.9+
Glyphosate	798	0.2	100.0
Heptachlor	80.0	0.6	99.3
Heptachlor Epoxide	4.0	0.6	85.0
Methoxychlor	122	0.8	99.3
Molinate	50.4	0.6	98.8
PCB's	10.4	0.7	93.3
Prometron	50.1	0.2	99.6
Simazine	12.0	0.1	99.2
Toxaphene	15.3	0.1	99.3
Semivolatile Contaminants in µg/L			
Acenaphthylene	50.2	1.0	98.0
Anthracene	50.2	1.1	97.8
Benz[a]anthracene	51.8	1.1	97.9
Benzo[b]fluoranthene	50.4	1.2	97.6
Benzo[k]fluoranthene	50.4	1.3	97.4
Benzo[a]pyrene	51.9	1.2	97.7
Benzo[g,h,i]perylene	50.2	1	98.0
Butylbenzylphthalate	50.4	1.2	97.6
Carboxin	50.5	1.1	97.8
2-Chlorobiphenyl	50.4	1.2	97.6
Chrysene	50.5	1.3	97.4
Cycloate	49.8	0.5	99.0
Dacthal (DCPA)	49.6	0.5	99.0
Diazinon	50.2	0.6	98.8
Dibenz[a,h]anthracene	50.3	0.8	98.4
Di-n-Butylphthalate	51.4	0.9	98.2
2,3-Dichlorobiphenyl	52.3	0.9	98.3
Diethylphthalate	50.2	0.9	98.2
Di(2-ethylhexyl)adipate	51.2	0.2	99.6
Di(2-ethylhexyl)phthalate	50.3	0.8	98.4
Dimethylphthalate	51.8	0.2	99.6
EPTC	52.3	0.8	98.5
Fluorene	51.2	0.9	98.2
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	50.0	0.8	98.4
Hexachlorobenzene	49.9	0.9	98.2
2,2', 4,4', 5,6'-Hexachlorobiphenyl	51.2	0.6	98.8
Hexachlorocyclohexane, alpha	50.0	0.9	98.2
Hexachlorocyclohexane, beta	50.2	0.9	98.2
Hexachlorocyclohexane, delta	50.4	0.9	98.2
Hexachlorocyclopentadiene	51.9	0.9	98.3
Hexazinone	51.4	0.2	99.6
Indeno[1,2,3,c,d]pyrene	50.1	0.8	98.4
Isophorone	50.0	0.2	99.6
Merphos	50.5	0.2	99.6
Methyl Paraoxon	50.8	0.2	99.6
Norflurazon	50.4	0.2	99.6
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	51.2	0.2	99.6
Pebulate	50.8	0.2	99.6
2,2', 3', 4,6'-Pentachlorobiphenyl	49.2	0.5	99.0
Pentachlorophenol	51.2	0.5	99.0
Phenanthrene	50.1	0.5	99.0
cis-Permethrin	50.2	0.2	99.6
trans-Permethrin	49.0	0.5	99.0
Prometon	51.0	0.5	99.0
Prometryn	51.0	0.2	99.6
Pronamide	49.0	0.3	99.4
Propachlor	50.0	0.3	99.4

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Volatile Organic Contaminants in µg/L			
1,4-Dichlorobenzene	40.3	<0.1	99.9+
n-Butylbenzene	80.2	<0.1	99.9+
1,2-Dichlorobenzene	80.3	<0.1	99.9+
Hexachlorobutadiene	44.0	0.2	99.5
1,2,4-Trichlorobenzene	160.2	<0.1	99.9+
Naphthalene	80.4	0.9	98.9
1,2,3-Trichlorobenzene	80.1	0.5	99.4
Heavy Metal Contaminants in µg/L			
Aluminum	220	4.3	98.0
Antimony	6.2	<0.5	99.9+
Arsenic (+3 and +5)	310	2.7	99.7
Beryllium	50.3	<0.5	99.9+
Bismuth	50.1	1.2	97.6
Cadmium	30.2	<0.5	99.9+
Chromium (+3 and +6)	302	3.9	98.7
Copper	3050	310	89.8
Iron	3030	31	99.0
Lead	152	<0.5	99.9+
Manganese	1020	2.9	99.7
Mercury	6.1	<0.1	99.9+
Nickel	102	0.7	99.3
Selenium	106	<	99.9+
Vanadium	102	<1	99.9+
Zinc	102	<1	99.9+
Pesticide Contaminants in µg/L			
4,4'-DDD	50.2	<0.1	99.9+
4,4'-DDE	50.3	<0.1	99.9+
4,4'-DDT	50.4	<0.1	99.9+
Alachlor	40.4	0.2	99.5
Aldrin	50.2	<0.1	99.9+
Alpha-BHC	49.8	<0.1	99.9+
Ametryn	50.0	<0.1	99.9+
Atraton	51.2	<0.1	99.9+
Atrazine	9.9	<0.1	99.9+
Beta-BHC	49.9	<0.1	99.9+
Bromacil	51.2	<0.1	99.9+
Carbofuran	80.2	<0.1	99.9+
Chlordane	40.2	0.2	99.5
Chlorneb	51.0	0.3	99.4
Chlorobenzilate	49.9	0.3	99.4
Chlorothalonil	50.2	0.2	99.6
Chlorprophane	51.2	0.2	99.6
Chlorpyrifos	51.3	0.2	99.6
Cyanizene	51.1	0.3	99.4
Delta-BHC	50.9	0.4	99.2
Dichlorvos	50.2	0.3	99.4
Dieldrin	50.9	0.5	99.0
Diphenamid	51.2	0.8	98.4
Disulfoton	50.4	0.9	98.2
Endosulfan Sulfate	51.0	0.5	99.0
Endrin	6.1	0.8	86.9
Endrin Aldehide	51.5	0.7	98.6
Endrin Ketone	51.0	0.6	98.8
Endusulfan I	49.8	0.4	99.2
Endusulfan II	50.3	0.8	98.4
Ethoprop	50.4	0.9	98.2
Fenamiphos	51.2	0.6	98.8
Fenarimol	50.4	0.9	98.2

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Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Filter Element ProOne® G2.0 Effluent Concentration in µg/L	% Reduction
Propazine	50.9	0.6	98.8
Triademefon	49.2	0.9	98.2
2,4,5-Trichlorobiphenyl	49.0	0.2	99.6
Tricyclazole	49.4	0.5	99.0
Trifluralin	50.5	0.2	99.6
Vernolate	50.2	0.3	99.4
Disinfectant and Inorganic Non-Metallic Contaminants in mg/L			
Chloramines	3.1	<0.1	99.9+
Free Chlorine	2.1	<0.1	99.9+
Chloride	250	<0.1	99.9+
Perchlorate	0.100	<0.004	99.9+
Cyanide	50	<0.1	99.9+
Sodium Fluoride	8.0	0.2	97.5
Hexafluorosilicate	8.3	0.4	94.0
Fluorosilic Acid	8.1	0.3	96.3
Nitrates	27.2	0.5	98.2
Nitrites	2.9	<0.1	99.9+
Turbidity	11.0	<0.5	99.9+
Herbicide Contaminants in µg/L			
Dalapon	152	0.1	99.9
Dicamba	150	0.5	99.7
Dinosep	20.2	0.9	95.5
Dichlorporp	150	0.8	99.5
2,4-D	210	0.7	99.7
Pentachlorophenol	10.2	0.8	92.2
Picoram	151	0.5	99.7
2,4,5-T	152	0.9	99.4
2,4,5-TP (Silvex)	151	0.8	99.5
2,4-DB	150	1.2	99.2
Bentazom	149	0.9	99.4
DCPA	149	1.3	99.1
Quinclorac	151	0.9	99.4
Aciflurfen	149	0.7	99.5
Pharmaceutical Drugs Contaminants in µg/L			
Acetaminofen	20.2	0.8	96.0
Caffeine	19.8	0.9	95.5
Carbamazepine	20.3	0.8	96.1
Ciprofloxacin HCl	20.4	0.9	95.6
Erythromycin USP	20.5	0.7	96.6
Sulfamethoxazole	20.6	0.5	97.6
Trimethoprim	21.0	0.4	98.1
Bisphenol A	20.9	0.9	95.7
Diclofenac Sodium	19.6	0.9	95.4
4-para-Nonylphenol	20.0	0.6	97.0
4-tert-Octylphenol	20.4	0.8	96.1
Primidone	20.9	0.9	95.7
Progestrone	20.5	1.1	94.6
Gemfibrozil	20.4	1.2	94.1
Ibuprofen	20.3	0.9	95.6
Naproxen Sodium	20.2	0.9	95.5
Triclosan	20.9	1.1	94.7
Microbilogical Contaminants in Colonies Forming Units/100mL (CFU/mL)			
Total coliform	10^8/L	1 CFU/100mL	99.999+
Eschericia coli	10^8/L	0 CFU/100mL	99.999+
Fecal Coliform	10^8/L	0 CFU/100mL	99.999+
Klebsiella pneumoniae	10^8/L	0 CFU/100mL	99.999+
Cryptosporidium, Giardia lamblia (polystyrene Microsphere)	10^6 microspheres/L	<10 oocysts/L	99.999+

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Radiological Contaminants (pCi/L)			
Gross Alpha: Americum 241 Plutonium 236 Uranium 238 Thorium 232 Radium 226 and 228 Polonium 210	35.50 pCi/L	6.53 pCi/L	81.6%
Drinking Water Contaminant Tested	**Influent Water Concentration in µg/L**	**Filter Element ProOne® G2.0 Effluent Concentration in µg/L**	**% Reduction**
Gross Beta: Tritium Cobalt 60 Strontium 70 Technetium 99 Iodine 129 and 131 Cesium 137	24.91 pCi/L	3.95 pCi/L	84.1%
Fluorinated Organic Acids in µg/L			
Perfluorobutane Sulfonate (PFBS)	1.0	<0.002	99.9+
Perfluorodecanoic acid (PFDA)	1.0	<0.002	99.9+
Perfluorohexanoic acid (PFHxA)	1.0	<0.002	99.9+
Perfluorononanoic acid (PFNA)	1.0	<0.002	99.9+
Perfluorooctanoic Acid (PFOA) Surrogate (C8)	1.0	<0.002	99.9+
Perfluorooctane Sulfonate (PFOS)	1.0	<0.002	99.9+
Perfluorohexane Sulfonate (PFSxS)	1.0	<0.002	99.9+
Polytetrafluoroethylene (PTFE)	1.0	<0.002	99.9+
Fluorotelomer alcohol 8:2 (PTOH)	1.0	<0.002	99.9+
Copepods (Parasite) Contaminants			
Tigriopus californicus	10^4/L	0	99.999+
Tisbe biminiensis	10^4/L	0	99.999+
Apocyclops panamensis	10^4/L	0	99.999+
Blue-Green Algae (Parasite) Contaminants			
Microspora amoena (green algae)	10^4/L	0	99.999+
Anabaena (blue-green algae)	10^4/L	0	99.999+
Eucapsis (blue-green algae)	10^4/L	0	99.999+
Fischerella (blue-green algae)	10^4/L	0	99.999+
Spirulina (blue-green algae)	10^4/L	0	99.999+
Merismopedia (blue-green algae)	10^4/L	0	99.999+
Tolypothrix (blue-green algae)	10^4/L	0	99.999+
Micro-Plastic Contaminants			
Micro-plastic spheres (2 microns size)	10^6 microspheres/L	<10 microspheres/L	99.999+
1,4-Dioxane			
1,4-Dioxane	20.1	<0.2	>99.9 %

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CERTIFICATION OF RESULTS:
I certify in writing that 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 and the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards.

Disclaimer: The test results are only related to the filter sample tested.

Jaime Young
Jaime Young
Lab Director

The reduction of contaminants or other substances that maybe present in your water supply may vary depending on its content. The contaminants or other substances reduced are not necessarily present in all users water. Some contaminants maybe more easily filtered than others. Percentage of reduction will vary over the life of the filter based on the level of contaminant(s) found in your water supply, user rate and psi of your water source. Testing was performed under standard laboratory conditions. Actual performance may vary. Do not use with water that is microbiologically unsafe or of unknown water quality with adequate disinfection.