



# ENVIROTEK LABORATORIES, INC.

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EPA ID # NJ01298 NJ DEP ID # 03048 NY ELAP ID # 12044

## PROPUR FILTER EMERGING CONTAMINANTS TEST REPORT

Report # 17-01-Emerging Contaminants (Propur ProOne G2.0 Filter)

Report Date: 01/28/2017

Customer Name: Propur

### EXECUTIVE SUMMARY/INTRODUCTION

One Hundred gallons of tap water was spiked with Emerging Contaminants Standard Solution to have a final concentration specified by the NSF Std. 401; the spiked tap water was filtered through the filter element and tested; the Emerging Contaminants drugs in the tap water were reduced by at least 86.3% after 100 gallons.

### RESULTS

**Table 1  
Influent Challenge Water Properties**

| Parameter   | Influent Challenge Water | Target                           |
|-------------|--------------------------|----------------------------------|
| pH          | 7.65                     | 7.00 to 8.00                     |
| Temperature | 20.5 C                   | 20 to 25 C                       |
| TDS         | 350 mg/L                 | 200 to 500 mg/L                  |
| Turbidity   | 0.60 NTU                 | <1 Nephelometric Turbidity Units |

**Table 2  
Filtered Water Emerging Contaminants Test Results**

| Drinking Water Contaminant Tested | Influent Water Results in µg/L | NSF Max. Limit | Filter Results 100 gallons | % Reduction at 100 gallons |
|-----------------------------------|--------------------------------|----------------|----------------------------|----------------------------|
| Bisphenol A                       | 2.050                          | 0.300          | <0.010                     | 99.9+                      |
| Trimethoprim                      | 0.139                          | 0.020          | 0.019                      | 86.3%                      |
| Estrone                           | 0.141                          | 0.020          | 0.019                      | 86.5%                      |
| Naproxen                          | 0.141                          | 0.020          | <0.010                     | 99.9+                      |
| Ibuprofen                         | 0.401                          | 0.060          | <0.010                     | 99.9+                      |
| Metolachlor                       | 1.395                          | 0.200          | 0.092                      | 93.4%                      |
| Carbamazepine                     | 1.404                          | 0.200          | <0.010                     | 99.9+                      |
| Meprobamate                       | 0.399                          | 0.060          | 0.035                      | 91.2%                      |
| Phenitoin                         | 0.199                          | 0.030          | <0.010                     | 99.9+                      |
| Atenolol                          | 0.201                          | 0.030          | <0.010                     | 99.9+                      |
| Linuron                           | 0.139                          | 0.020          | <0.010                     | 99.9+                      |
| Nonyl Phenol                      | 1.394                          | 0.200          | 0.130                      | 90.7%                      |
| DEET                              | 1.389                          | 0.200          | <0.010                     | 99.9+                      |
| TCPP                              | 5.071                          | 0.700          | 0.109                      | 97.9%                      |
| TCEP                              | 4.962                          | 0.700          | 0.142                      | 97.1%                      |

### CONCLUSION:

The Propur ProOne G 2.0 Filter reduces the Emerging Contaminants concentration by at least 86.3% at 100 gallons tested following the NSF Std. 401.

### 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 A. Young

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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 reductions will vary over the life of the filter based on the level of contaminant(s) found in your water supply, usage 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.