ENVIROTEK LABORATORIES, INC.
33 Third Street, Bordentown, NJ 08505
PHONE 856-583-0445 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 03048 NY ELAP ID # 12044

PROPUR PROMAX FULL SPECTRUM FILTER HERBICIDES CONTAMINANTS TEST REPORT

Report # 17-03-Herbicides Contaminants (Propur ProMax Full Spectrum Filter)
Report Date: 03/21/2017
Customer Name: Propur

EXECUTIVE SUMMARY

One Hundred gallons of tap water was spiked with Herbicide Contaminants Standard Solution to have a final concentration specified by the NSF Std. 53; the spiked tap water was filtered through the filter element and tested; the Propur ProMax Full Spectrum Filter meets the NSF Herbicides Contaminants reduction test up to 100 gallons, tested following the NSF Std. 53.

INTRODUCTION

One Hundred gallons of tap water was spiked with Herbicide Contaminants Standard Solution to have a final concentration specified by the NSF Std. 53, the spiked tap water was filtered through the filter element and tested; the Propur ProMax Full Spectrum Filter meets the NSF Herbicides Contaminants reduction test up to 100 gallons, tested following the NSF Std. 53.

REAGENTS, MATERIALS, AND LAB EQUIPMENT

Agilent GC/MS 6890 plus/5973 mass spectrometer.
Restek Herbicides Standard Solution Catalog 32444
Propur ProMax Full Spectrum Filter.

PROCEDURE

One Hundred gallons of tap water was spiked with Herbicide Contaminants Standard Solution in a tank and mixed well; this solution was tested and adjusted to have a final concentration specified by the NSF Std. 53, the influent water properties are summarized in Table 1 below. The solution was filtered through the Propur ProMax Full Spectrum Filter and tested every 20 gallons following the EPA method 515 for Herbicides Contaminants in drinking water. The results are summarized in Table 2 below.

RESULTS

Table 1
Influent Challenge Water Properties

Parameter	Influent Challenge Water	Target
pH	7.65	7.00 to 8.00
Temperature	21.5 ℃	20 ± 2.5℃
TDS	385 mg/L	200 to 500 mg/L
Turbidity	0.75 NTU	<1 Nephelometric Turbidity Units

Table 2
Filtered Water Herbicides Contaminants Test Results

Drinking Water Contaminant Tested	Influent Water Results in µg/L	NSF/EPA Effluent Maximum Contaminant Limit (MCL)	% Reduction at 100 gallons
Dalapon	270.4	70	99.9+ %
3,5-Dichlorobenzoic	28.9	1	99.9+ %
Dicamba	150.7	50	99.9+ %
Diclorprop	150.2	50	99.9+ %
2,4-D	21.1	1	99.9+ %
Pentachlorophenol	22.9	7	99.9+ %
2,4,5-T	150.9	50	99.9+ %
Chloramben	28.1	1	99.9+ %
2,4,5-TP	17.6	1	99.9+ %
2,4-DB	32.7	1	99.9+ %
Dinosep	52.9	1	99.9+ %
Bentazon	38.5	1	99.9+ %
Picloram	39.0	1	99.9+ %
DCPA	43.5	1	99.9+ %
Quinclorac	43.5	1	99.9+ %
Acifluoren	42.7	1	99.9+ %

ENVIROTEK LABORATORIES, INC.
33 Third Street, Bordentown, NJ 08505
PHONE 856-583-0445 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 03048 NY ELAP ID # 12044

CONCLUSION:
The Propur ProMax Full Spectrum Filter meets the NSF Herbicide Compounds reduction test for up to 100 gallons, tested following the NSF Std. 53.

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
Jaime A. Young
Lab Director

The reduction of contaminants or other substances that may be 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 may be 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.