



# HydroPod Water Bottle Filter

## Performance Data

This report provides detailed insights into the performance data of the HydroPod Water Bottle Filter. It underwent thorough third-party testing against NSF 42 and 53 standards, which are determined by the EPA, demonstrating its effectiveness and reliability.

There were no problems with analytical events associated with this report unless noted. Quality control data is within the laboratory defined or method-specified acceptance limits except where noted.

## Results Interpretation

In the following section, the results of the analysis are presented and interpreted for clarity.

**Undetected:** In instances where contaminants are noted as "Undetected," it signifies that the concentration of the contaminant falls below the detection levels of our testing equipment. This suggests that the contaminant, while potentially present, is at a level below the minimum threshold for detection.

**Minimum Detection Levels (MDL):** The term "MDL" refers to the Minimum Detection Levels, which denotes the lowest concentration of a contaminant that the testing equipment utilized in this study can reliably detect. It serves as a benchmark for discerning the presence or absence of contaminants in the samples.

**OK:** Where "OK" is indicated in the results, it signifies that the concentration of the contaminant remains below the Maximum Contaminant Level (MCL) established by regulatory standards, as outlined by the U.S. Environmental Protection Agency (EPA). This designation assures that the water quality meets the safety standards set forth by regulatory authorities.

This section aims to provide clarity on the interpretation of the results obtained from the analysis, elucidating the significance of terms such as "Undetected," "MDL," and "OK" in the context of the study.

| ANALYTE                    | UNIT     | RESULT | METHOD      | EVALUATION |
|----------------------------|----------|--------|-------------|------------|
| pH                         | pH       | 7.8    | SM 4500-H+B | OK         |
| Total Dissolved Solids     | mg/L     | 360    | SM 2510 B   |            |
| Conductivity               | umhos/cm | 617    | SM 2510 B   |            |
| Hardness (Ca,Mg)           | mg/L     | 96.27  |             |            |
| Hardness (Total)           | mg/L     | 96.86  |             |            |
| Grains per gallon          | Grains   | 5.66   |             |            |
| Alkalinity (as CaCO3)      | mg/L     | 43     | SM 2320 B   |            |
| Langelier Saturation Index |          | -0.53  |             |            |
| Sodium Adsorption Ratio    |          | 3.87   |             |            |
| Total THMs                 | µg/L     | 0      |             |            |

## TEST RESULTS

| ANALYTE                   | UNIT | RESULT       | MDL     | METHOD    | EVALUATION |
|---------------------------|------|--------------|---------|-----------|------------|
| 1,1,1,2 Tetrachloroethane | µg/L | NOT DETECTED | 0.0689  | EPA 524.2 |            |
| 1,1,1 Trichloroethane     | µg/L | NOT DETECTED | 0.146   | EPA 524.2 |            |
| 1,1,2,2 Tetrachloroethane | µg/L | NOT DETECTED | 0.133   | EPA 524.2 |            |
| 1,1,2 Trichloroethane     | µg/L | NOT DETECTED | 0.0748  | EPA 524.2 |            |
| Thallium                  | mg/L | NOT DETECTED | 1.0E-5  | EPA 200.8 |            |
| Tin                       | mg/L | NOT DETECTED | 0.0001  | EPA 200.8 |            |
| Titanium                  | mg/L | 0.0023       | 0.0004  | EPA 200.7 | OK         |
| Toluene                   | µg/L | NOT DETECTED | 0.123   | EPA 524.2 |            |
| trans 1,3 Dichloropropene | µg/L | NOT DETECTED | 0.0654  | EPA 524.2 |            |
| Trichloroethylene         | µg/L | NOT DETECTED | 0.152   | EPA 524.2 |            |
| Trichlorofluoromethane    | µg/L | NOT DETECTED | 0.232   | EPA 524.2 |            |
| Uranium                   | mg/L | NOT DETECTED | 4.0E-5  | EPA 200.8 |            |
| Vanadium                  | mg/L | 0.000664     | 0.00032 | EPA 200.8 | OK         |
| Vinyl Chloride            | µg/L | NOT DETECTED | 0.126   | EPA 524.2 |            |
| Zinc                      | mg/L | NOT DETECTED | 0.0005  | EPA 200.7 |            |

|                          |      |                 |         |           |    |
|--------------------------|------|-----------------|---------|-----------|----|
| 1,1 Dichloroethane       | µg/L | NOT DETECTED    | 0.0972  | EPA 524.2 |    |
| 1,1 Dichloroethylene     | µg/L | NOT DETECTED    | 0.107   | EPA 524.2 |    |
| 1,1 Dichloropropene      | µg/L | NOT DETECTED    | 0.192   | EPA 524.2 |    |
| 1,2,3 Trichlorobenzene   | µg/L | NOT DETECTED    | 0.117   | EPA 524.2 |    |
| 1,2,3 Trichloropropane   | µg/L | NOT DETECTED    | 0.106   | EPA 524.2 |    |
| 1,2,4 Trichlorobenzene   | µg/L | NOT DETECTED    | 0.111   | EPA 524.2 |    |
| 1,2,4 Trimethylbenzene   | µg/L | NOT DETECTED    | 0.0629  | EPA 524.2 |    |
| 1,2 Dichlorobenzene      | µg/L | NOT DETECTED    | 0.0679  | EPA 524.2 |    |
| 1,2 Dichloroethane       | µg/L | NOT DETECTED    | 0.05    | EPA 524.2 |    |
| 1,2 Dichloropropane      | µg/L | NOT DETECTED    | 0.105   | EPA 524.2 |    |
| 1,3,5 Trimethylbenzene   | µg/L | NOT DETECTED    | 0.0933  | EPA 524.2 |    |
| 1,3 Dichlorobenzene      | µg/L | NOT DETECTED    | 0.0829  | EPA 524.2 |    |
| 1,3 Dichloropropane      | µg/L | NOT DETECTED    | 0.05    | EPA 524.2 |    |
| 1,4 Dichlorobenzene      | µg/L | NOT DETECTED    | 0.127   | EPA 524.2 |    |
| 2,2 Dichloropropane      | µg/L | NOT DETECTED    | 0.268   | EPA 524.2 |    |
| Aluminum                 | mg/L | NOT DETECTED    | 0.0259  | EPA 200.7 |    |
| Antimony                 | mg/L | NOT DETECTED    | 0.00018 | EPA 200.8 |    |
| Arsenic                  | mg/L | <b>0.000628</b> | 0.00029 | EPA 200.8 | OK |
| Barium                   | mg/L | <b>0.0058</b>   | 3.0E-5  | EPA 200.8 | OK |
| Benzene                  | µg/L | NOT DETECTED    | 0.0975  | EPA 524.2 |    |
| Beryllium                | mg/L | NOT DETECTED    | 0.0001  | EPA 200.8 |    |
| Boron                    | mg/L | NOT DETECTED    | 0.0034  | EPA 200.7 |    |
| Bromobenzene             | µg/L | NOT DETECTED    | 0.0726  | EPA 524.2 |    |
| Bromochloromethane       | µg/L | NOT DETECTED    | 0.103   | EPA 524.2 |    |
| Bromodichloromethane     | µg/L | NOT DETECTED    | 0.057   | EPA 524.2 |    |
| Bromoform                | µg/L | NOT DETECTED    | 0.0878  | EPA 524.2 |    |
| Bromomethane             | µg/L | NOT DETECTED    | 0.239   | EPA 524.2 |    |
| Cadmium                  | mg/L | NOT DETECTED    | 1.0E-5  | EPA 200.8 |    |
| Calcium                  | mg/L | <b>27.9</b>     | 0.0446  | EPA 200.7 | OK |
| Carbon Tetrachloride     | µg/L | NOT DETECTED    | 0.174   | EPA 524.2 |    |
| Chlorine                 | mg/L | NOT DETECTED    | 0.2     | EPA 334.0 |    |
| Chlorobenzene            | µg/L | NOT DETECTED    | 0.05    | EPA 524.2 |    |
| Chloroethane             | µg/L | NOT DETECTED    | 0.121   | EPA 524.2 |    |
| Chloroform               | µg/L | NOT DETECTED    | 0.0984  | EPA 524.2 |    |
| Chloromethane            | µg/L | NOT DETECTED    | 0.0878  | EPA 524.2 |    |
| Chlorotoluene 2          | µg/L | NOT DETECTED    | 0.0513  | EPA 524.2 |    |
| Chlorotoluene 4          | µg/L | NOT DETECTED    | 0.064   | EPA 524.2 |    |
| Chromium (Total)         | mg/L | NOT DETECTED    | 0.0002  | EPA 200.8 |    |
| cis 1,2 Dichloroethylene | µg/L | NOT DETECTED    | 0.166   | EPA 524.2 |    |
| cis 1,3 Dichloropropene  | µg/L | NOT DETECTED    | 0.0905  | EPA 524.2 |    |

|                             |      |                |         |           |    |
|-----------------------------|------|----------------|---------|-----------|----|
| Cobalt                      | mg/L | NOT DETECTED   | 1.0E-5  | EPA 200.8 |    |
| Copper                      | mg/L | <b>0.00178</b> | 0.0001  | EPA 200.8 | OK |
| Dibromochloromethane        | µg/L | NOT DETECTED   | 0.05    | EPA 524.2 |    |
| Dibromochloropropane        | µg/L | NOT DETECTED   | 0.2     | EPA 524.2 |    |
| Dibromomethane              | µg/L | NOT DETECTED   | 0.155   | EPA 524.2 |    |
| Dichlorodifluoromethane     | µg/L | NOT DETECTED   | 0.205   | EPA 524.2 |    |
| Dichloromethane             | µg/L | <b>4.51</b>    | 0.223   | EPA 524.2 | OK |
| Ethylbenzene                | µg/L | NOT DETECTED   | 0.1     | EPA 524.2 |    |
| Ethylene dibromide          | µg/L | NOT DETECTED   | 0.092   | EPA 524.2 |    |
| Fluoride                    | mg/L | <b>0.115</b>   | 0.02    | EPA 300.0 | OK |
| Hexachlorobutadiene         | µg/L | NOT DETECTED   | 0.165   | EPA 524.2 |    |
| Iron                        | mg/L | NOT DETECTED   | 0.0242  | EPA 200.7 |    |
| Isopropylbenzene            | µg/L | NOT DETECTED   | 0.105   | EPA 524.2 |    |
| Lead                        | mg/L | NOT DETECTED   | 6.0E-5  | EPA 200.8 |    |
| Lithium                     | mg/L | NOT DETECTED   | 0.00188 | EPA 200.7 |    |
| Magnesium                   | mg/L | <b>6.46</b>    | 0.0123  | EPA 200.7 | OK |
| Manganese                   | mg/L | NOT DETECTED   | 7.0E-5  | EPA 200.8 |    |
| Mercury                     | mg/L | NOT DETECTED   | 4.0E-5  | EPA 200.8 |    |
| Methyl Tertiary Butyl Ether | µg/L | NOT DETECTED   | 0.054   | EPA 524.2 |    |
| Molybdenum                  | mg/L | <b>0.00462</b> | 8.0E-5  | EPA 200.8 | OK |
| m,p Xylene                  | µg/L | NOT DETECTED   | 0.11    | EPA 524.2 |    |
| Naphthalene                 | µg/L | NOT DETECTED   | 0.16    | EPA 524.2 |    |
| n Butylbenzene              | µg/L | NOT DETECTED   | 0.0791  | EPA 524.2 |    |
| Nickel                      | mg/L | NOT DETECTED   | 0.0003  | EPA 200.8 |    |
| Nitrate (as N)              | mg/L | <b>0.294</b>   | 0.0399  | EPA 300.0 | OK |
| Nitrite (as N)              | mg/L | NOT DETECTED   | 0.0126  | EPA 300.0 |    |
| n Propylbenzene             | µg/L | NOT DETECTED   | 0.102   | EPA 524.2 |    |
| o Xylene                    | µg/L | NOT DETECTED   | 0.0574  | EPA 524.2 |    |
| Phosphorus                  | mg/L | <b>0.675</b>   | 0.002   | EPA 200.7 | OK |
| p Isopropyltoluene          | µg/L | NOT DETECTED   | 0.0972  | EPA 524.2 |    |
| Potassium                   | mg/L | <b>3.11</b>    | 0.0702  | EPA 200.7 | OK |
| sec Butylbenzene            | µg/L | NOT DETECTED   | 0.094   | EPA 524.2 |    |
| Selenium                    | mg/L | NOT DETECTED   | 0.0003  | EPA 200.8 |    |
| Silver                      | mg/L | NOT DETECTED   | 1.0E-5  | EPA 200.8 |    |
| Sodium                      | mg/L | <b>87.3</b>    | 0.0507  | EPA 200.7 | OK |
| Strontium                   | mg/L | <b>0.514</b>   | 0.0003  | EPA 200.7 | OK |
| Styrene                     | µg/L | NOT DETECTED   | 0.0745  | EPA 524.2 |    |
| Sulfate                     | mg/L | <b>97.3</b>    | 1.11    | EPA 300.0 | OK |
| tert Butylbenzene           | µg/L | NOT DETECTED   | 0.0791  | EPA 524.2 |    |
| Tetrachloroethylene         | µg/L | NOT DETECTED   | 0.0859  | EPA 524.2 |    |