



**Performance Data for the AquaSana Under Counter Water Filter**

| Model   | Replacement | Operating pressure range                   | Rated capacity             | Operating temp range     | Rated flow         |
|---------|-------------|--|----------------------------|--------------------------|--------------------|
| AQ-5300 | AQ-5300R    | 20-80 psi<br>1.40-5.624 kg/cm <sup>2</sup> | 600 gallons<br>2270 liters | 40-90° F<br>4.44-32.2° C | 0.5 gpm<br>1.9 lpm |

Manufactured by: AquaSana, Inc. 6310 Midway Road · Haltom City, Texas 76117 · 866.662.6885

Testing Performed under NSF/ANSI Standards 42 and 53 and in accordance with the California Department of Health Services Drinking Water Treatment Device Program. This system has been tested according to NSF/ANSI 42, 53, 401 & P473 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53, 401 & P473.

| NSF/ANSI 42                          | Minimum reduction | Overall % reduction | Results |
|--------------------------------------|-------------------|---------------------|---------|
| Chlorine Reduction, Free Available   | <0.5 mg/l         | 97.66%              | Pass    |
| Chloramine Reduction, Free Available | <0.5 mg/l         | 97.66%              | Pass    |
| Particulate Reduction                | 85%               | 99.9%               | Pass    |

| NSF/ANSI 53                         | Required reduction | Overall % reduction | Results |
|-------------------------------------|--------------------|---------------------|---------|
| Cyst Live Cryptosporidium & Giardia | 99.95%             | >99.99%             | Pass    |
| Mercury Reduction pH 8.5            | <2 ug/L            | >95.8%              | Pass    |
| Mercury Reduction pH 6.5            | <2 ug/L            | >96.5%              | Pass    |
| Lead Reduction pH 6.5               | <10 ug/L           | >99.4%              | Pass    |
| Lead Reduction pH 8.5               | <10 ug/L           | >99.3%              | Pass    |
| MTBE Reduction                      | <5 ug/L            | 86.6%               | Pass    |
| Turbidity                           | <0.5 NTU           | 99.1%               | Pass    |
| VOC Surrogate Test                  | 95%                | >99.4%              | Pass    |
| Asbestos Reduction                  | 99%                | >99%                | Pass    |

| NSF/ANSI 401  | Maximum Concentration | Minimum Reduction | Overall % Reduction | Results |
|---------------|-----------------------|-------------------|---------------------|---------|
| Atenolol      | 30 ng/L               | 94.2%             | 94.2%               | Pass    |
| Bisphenol A   | 300 ng/L              | 98.80%            | 98.9%               | Pass    |
| Carbamazepine | 200 ng/L              | 98.6%             | 98.6%               | Pass    |
| DEET          | 200 ng/L              | 98.7%             | 98.7%               | Pass    |
| Estrone       | 20 ng/L               | 96.30%            | 96.5%               | Pass    |
| Ibuprofen     | 60 ng/L               | 95.3%             | 95.4%               | Pass    |
| Linuron       | 20 ng/L               | 96.6%             | 96.6%               | Pass    |
| Meprobamate   | 60 ng/L               | 94.7%             | 94.7%               | Pass    |
| Metolachlor   | 200 ng/L              | 98.6%             | 98.6%               | Pass    |
| Naproxen      | 20 ng/L               | 96.3%             | 96.4%               | Pass    |
| Nonyl phenol  | 200 ng/L              | 97.50%            | 97.5%               | Pass    |
| Phenytoln     | 30 ng/L               | 95.50%            | 95.6%               | Pass    |
| TCEP          | 700 ng/L              | 98%               | 98%                 | Pass    |
| TCPP          | 700 ng/L              | 97.8%             | 97.8%               | Pass    |
| Trimethoprim  | 20 ng/L               | 96.7%             | 96.7%               | Pass    |

| NSF P473   | Influent challenge concentration | Maximum permissible product water concentration | Overall % reduction | Results |
|--|----------------------------------|---|---------------------|---------|
| Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS) | 1.5 ±10% ug/L                    | 0.07 ug/L                                       | 96%                 | Pass    |

**Organic chemicals included by surrogate testing**

| VOCs (by surrogate testing using chloroform) | Drinking water regulatory level (MCL/MAC) mg/L | Influent/Unfiltered | Effluent/Filtered | Percent Reduction |
|--|--|---------------------|-------------------|-------------------|
| alachlor                                     | 0.002  | 0.050               | 0.001             | >98%              |
| atrazine                                     | 0.003  | 0.100               | 0.003             | >97%              |
| benzene                                      | 0.005  | 0.081               | 0.001             | >99%              |
| carbofuran                                   | 0.04   | 0.190               | 0.001             | >99%              |
| carbon tetrachloride                         | 0.005  | 0.078               | 0.0018            | 98%               |
| chlorobenzene                                | 0.1  | 0.077               | 0.001             | >99%              |
| chloropicrin                                 | —  | 0.015               | 0.0002            | 99%               |
| 2,4-D  | 0.07   | 0.110               | 0.0017            | 98%               |
| dibromochloropropane (DBCP)                  | 0.0002   | 0.052               | 0.00002           | >99%              |
| o-dichlorobenzene                            | 0.6  | 0.080               | 0.001             | >99%              |
| p-dichlorobenzene                            | 0.075  | 0.040               | 0.001             | >98%              |
| 1,2-dichloroethane                           | 0.005  | 0.088               | 0.0048            | 95%               |
| 1,1-dichloroethylene                         | 0.007  | 0.083               | 0.001             | >99%              |
| cis-1,2-dichloroethylene                     | 0.07   | 0.170               | 0.0005            | >99%              |
| trans-1,2-dichloroethylene                   | 0.1  | 0.086               | 0.001             | >99%              |
| 1,2-dichloropropane                          | 0.005  | 0.080               | 0.001             | >99%              |
| cis-1,3-dichloropropylene                    | —  | 0.079               | 0.001             | >99%              |
| dinoseb                                      | 0.007  | 0.170               | 0.0002            | 99%               |
| endrin                                       | 0.002  | 0.053               | 0.00059           | >99%              |
| ethylbenzene                                 | 0.7  | 0.088               | 0.001             | >99%              |
| ethylene dibromide (EDB)                     | 0.00005  | 0.044               | 0.00002           | >99%              |
| haloacetonitriles (HAN)                      |  |                     |                   |                   |
| Bromochloroacetonitrile                      | —  | 0.022               | 0.0005            | 98%               |
| Dibromoacetonitrile                          | —  | 0.024               | 0.0006            | 98%               |
| Dichloroacetonitrile                         | —  | 0.0096              | 0.0002            | 98%               |
| Trichloroacetonitrile                        | —  | 0.015               | 0.0003            | 98%               |
| haloketones (HK)                             |  |                     |                   |                   |
| 1,1-dichloro-2-propanone                     | —  | 0.0072              | 0.0001            | 99%               |
| 1,1,1-trichloro-2-propanone                  | —  | 0.0082              | 0.0003            | 96%               |
| heptachlor (H-34, Heptox)                    | 0.0004   | 0.025               | 0.00001           | >99%              |
| heptachlor epoxide                           | 0.0002   | 0.0107              | 0.0002            | 98%               |
| hexachlorobutadiene                          | —  | 0.044               | 0.001             | >98%              |
| hexachlorocyclopentadiene                    | 0.05   | 0.060               | 0.000002          | >99%              |
| lindane                                      | 0.0002   | 0.055               | 0.00001           | >99%              |
| methoxychlor                                 | 0.04   | 0.050               | 0.0001            | >99%              |
| pentachlorophenol                            | 0.001  | 0.096               | 0.001             | >99%              |
| simazine                                     | 0.004  | 0.120               | 0.004             | >97%              |
| styrene                                      | 0.1  | 0.150               | 0.0005            | >99%              |
| 1,1,2,2-tetrachloroethane                    | —  | 0.081               | 0.001             | >99%              |
| tetrachloroethylene                          | 0.005  | 0.081               | 0.001             | >99%              |
| toluene                                      | 0.078  | 0.078               | 0.001             | >99%              |
| 2,4,5-TP (silvex)                            | 0.05   | 0.270               | 0.0016            | 99%               |
| tribromoacetic acid                          | —  | 0.042               | 0.001             | >98%              |
| 1,2,4-trichlorobenzene                       | 0.07   | 0.160               | 0.0005            | >99%              |
| 1,1,1-trichloroethane                        | 0.2  | 0.084               | 0.0046            | 95%               |
| 1,1,2-trichloroethane                        | 0.005  | 0.150               | 0.0005            | >99%              |
| trichloroethylene                            | 0.005  | 0.180               | 0.0010            | >99%              |
| Trihalomethanes (THMs)                       |  | Influent/Unfiltered | Effluent/Filtered | Percent Reduction |
| Bromodichloromethane (THM)                   |  |                     |                   |                   |
| Bromoform (THM)                              |  |                     |                   |                   |
| Chloroform (THM)                             | 0.080  | 0.300               | 0.015             | 95%               |
| Chlorodibromomethane (THM)                   |  |                     |                   |                   |
| Xylenes (total)                              | 10   | 0.070               | 0.001             | >99%              |

Filter is only to be used with cold water.

Filter usage must comply with all state and local laws.

Testing was performed under standard laboratory conditions, actual performance may vary.

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

See owner's manual for general installation conditions and needs plus manufacturer's limited warranty.

• All contaminants reduced by this filter are listed.

• Not all contaminants listed may be present in your water.

• Filter does not remove all contaminants that may be present in tap water.

• For conditions of use, health claims certified by the California Department of Public Health, and replacement parts see product data sheet.

• California Department of Public Health Certification Number

**13-2173**



System tested and certified by NSF International against NSF/ANSI Standard 42, 53 & 401 and conforms to NSF protocol P473 for reduction of claims specified on the Performance Data Sheet and at [www.nsf.org](http://www.nsf.org).



Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.

**Water Treatment Device**

**Certificate Number**

**13-2173**

**Date Issued: September 5, 2013**

**Trademark/Model Designation**

AQ-5300

**Replacement Elements**

AQ-5300R

**Manufacturer: Aquasana**

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

**Microbiological Contaminants and Turbidity**

Cysts  
Turbidity

**Inorganic/Radiological Contaminants**

Asbestos  
Mercury  
Lead

**Organic Contaminants**

|                            |                             |                          |
|----------------------------|-----------------------------|--------------------------|
| Alachlor                   | Endrin                      | Simazine                 |
| Atrazine                   | Ethylbenzene                | Styrene                  |
| Benzene                    | EDB                         | 1,1,2,2-Tetrachlorethane |
| Carbofuran                 | Haloacetonitriles           | Toluene                  |
| Carbon Tetrachloride       | Bromochloroacetonitrile     | 2,4,5-TP (Silvex)        |
| Chlorobenzene              | Dichloroacetonitrile        | Tribromoacetic Acid      |
| Chloropicrin               | Dibromoacetonitrile         | 1,2,4-Trichlorobenzene   |
| 2,4-D                      | Trichloroacetonitrile       | 1,1,1-Trichloroethane    |
| DBCP                       | Haloketones (HK)            | 1,1,2-Trichloroethane    |
| o-Dichlorobenzene          | 1,1-Dichloro-2-Propanone    | Trichloroethylene        |
| p-Dichlorobenzene          | 1,1,1-Trichloro-2-Propanone | Trihalomethanes (THM's)  |
| 1,2-Dichloroethane         | Heptachlor                  | Bromodochloromethane     |
| 1,1-Dichloroethylene       | Heptachlor Epoxide          | Bromoform                |
| cis-1,2-Dichloroethylene   | Hexachlorobutadiene         | Chloroform               |
| trans-1,2-Dichloroethylene | Hexachlorocyclopentadiene   | Chlorodibromomethane     |
| 1,2-Dichloropropane        | Lindane                     | Xylenes                  |
| cis-1,3-Dichloropropylene  | Methoxychlor                |                          |
| Dinoseb                    | Pentachlorophenol           |                          |
|                            | MTBE                        |                          |

**Rated Service Capacity 600 gallons**

**Rated Service Flow: 0.5 gallons per minute**

**Conditions of Certification**

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems for cyst reduction may be used on disinfected waters that contain filterable cysts.