

## Performance Data Sheet For Samsung Model DA97-08006A-1 Using Replacement Cartridge DA29-00020B-1

This system has been tested according to NSF/ANSI 42 and 53 for the 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 and 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances listed below.

To a capacity of 300 gallons (1,150 liters).  
Note that while the testing was performed under standard laboratory conditions, actual performance may vary.

Tested using a flow rate of 0.5 gpm, pressure of 60 psi; PH of 7.5 ± 0.5; Temp of 68 ± 5 F

| Substance                                 | Average Influent mg/L | Influent Challenge Concentration mg/L                      | Reduction requirement | Average Product water Concentration | Average % Reduction | Max Effluent mg/L |
|---|-----------------------|--|-----------------------|-------------------------------------|---------------------|-------------------|
| Chlorine Taste and Odor                   | 2                     | 2±10%  | ≥ 50                  | 0.05                                | 97.5                | 0.05              |
| Nominal Particulate Class I >0.5µm to 1µm | 6,066,666#/ml         | At least 10,000 particles/ml                               | ≥85                   | 18,199                              | 99.7                | 25,000            |
| 2,4-D                                     | 0.22                  | 0.21±10%   | N/A                   | 0.0029                              | 98.7                | 0.011             |
| Atrazine                                  | 0.0098                | 0.009±10%  | N/A                   | 0.0005                              | >94.8               | <0.005            |
| Cyst(microsphere)                         | 200,000 cysts/L       | minimum 50,000 cysts/L                                     | ≥99.95%               | 1/L                                 | >99.99              | 1/L               |
| Mercury pH6.5                             | 0.0057                | 0.006± 10%   | N/A                   | 0.0002                              | 96.6                | 0.0002            |
| Mercury pH8.5                             | 0.0055                | 0.006±10%  | N/A                   | 0.0002                              | 95.9                | 0.0004            |
| Asbestos                                  | 1,675MFL              | 107to108fibers/L;<br>fibers greater than<br>10µm in length | 0.99                  | N/D                                 | >99                 | N/D               |
| Benzene                                   | 0.0163                | 0.015±10%  | N/A                   | <0.0005                             | >97.0               | <0.0005           |
| Lead pH6.5                                | 0.150                 | 0.15±10%   | N/A                   | 0.0011                              | 99.3                | 0.001             |
| Lead pH8.5                                | 0.155                 | 0.15±10%   | N/A                   | 0.0011                              | >99.3               | <0.001            |
| P-Dichlorobenzene                         | 0.246                 | 0.225±10%  | N/A                   | <0.0005                             | >99.8               | <0.0005           |
| Toxaphene                                 | 0.016                 | 0.015±10%  | N/A                   | <0.001                              | >93.8               | <0.001            |
| Turbidity                                 | 10.75                 | 11±1   | N/A                   | 0.0968                              | 99.1                | 0.1               |
| Lindane                                   | 0.0021                | 0.002±10%  | N/A                   | <0.00002                            | >99.1               | <0.00002          |
| Carbofuran                                | 0.0783                | 0.08±10%   | N/A                   | 0.0010                              | 98.7                | 0.001             |
| Tetrachloroethylene                       | 0.0148                | 0.015±10%  | N/A                   | 0.5015                              | >96.6               | <0.0005           |
| O-Dichlorobenzene                         | 1.9                   | 1.8±10%  | N/A                   | <0.0005                             | >99.9               | <0.0005           |
| Ethylbenzene                              | 2.1                   | 2.1±10%  | N/A                   | 0.0008                              | >99.9               | 0.0008            |
| Chlorobenzene                             | 2.2                   | 2.0±10%  | N/A                   | <0.0005                             | >99.9               | <0.0005           |
| Endrin                                    | 0.0061                | 0.006±10%  | N/A                   | <0.0002                             | >96.7               | <0.0002           |

| Application Guidelines — Water Supply Parameters |                              |
|--|------------------------------|
| Service flow                                     | 0.5 gpm (1.9 lpm)            |
| Water Supply                                     | Potable Water                |
| Water Pressure                                   | 30 - 125 psi (207 - 862 kPa) |
| Water Temperature*                               | 34°F - 100°F (1°C - 38°C)    |

Systems must be installed and operated in accordance with manufacturer's recommended procedures and guidelines. Failure to do so may void warranty.

\* Flush 3 gallons through filter before use (Flush approximately 6 minutes).

**For a replacement filter or for service contact your local dealer or call 1-800-SAMSUNG (U.S.A.)  
Other countries contact your local dealer or call service center.**